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00933767.082201

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<213> Homo sapiens

<400> 20

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<210> 21

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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<210> 22

<211> 1402

<212> DNA

<213> Homo sapiens

<400> 22

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<210> 23

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<210> 25
 <211> 1208
 <212> DNA
 <213> Homo sapiens

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<210> 26
 <211> 1922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1022)
 <223> n equals a,t,g, or c

<400> 26
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<210> 27
 <211> 1951
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1892)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1930)
 <223> n equals a,t,g, or c

<220>
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 <222> (1934)
 <223> n equals a,t,g, or c

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<210> 28
 <211> 3989
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<400> 28						
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<211> 3735

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<213> Homo sapiens

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<220>

<221> SITE

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<220>

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<222> (3716)

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<223> n equals a,t,g, or c

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<222> (1395)

<223> n equals a,t,g, or c

<400> 31

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<211> 3186

<212> DNA

<213> Homo sapiens

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<222> (666)

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093767.082201
102280 " 292EE660

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tgaagttctg caaatgggag agtggttcaca gtagatagct cagattgatt gaacacattt 300
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ttattttgtc attttgtcaa cctctctccc aagcacatct tctttccttt tactatgtct 420
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```

<210> 35
<211> 896
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (6)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (870)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (877)
<223> n equals a,t,g, or c

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<400> 35
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gccagcytca cytgccacyt tytgccccty tcgggatgcc ttcgcagaca gagytyttcg 120

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ctgcctgtgg	tggccaytct	ttgcttttgg	ttytcttgcc	ccttggcctc	cctttttgtc	180
cccgggcagc	cttgtgtgac	ctgccctttt	ccctcccttc	ctttccagga	caagcacgcc	240
gaggaggtgc	ggaaaaacaa	ggagctgaag	gaagaggcct	ccaggtaaag	cctagaggcc	300
aaagaacttt	ccaggtcagc	cggacagctc	cagcagctcc	acgttccagg	cagcctcgmc	360
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tctgcttttg	gtgtttgtac	atgttaagaa	ttgaccagtg	aagccatcct	atttgtttcc	480
ggggaacaat	gacggggtgg	garaggggag	aggagagagt	ttgggaaagg	gagatggaga	540
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gggtgaagga	cagagtcctg	ggtggggcag	cggctgcagg	gcgcaccaga	gaaccagcc	720
agagggggtg	tgagtaccag	tggtgttgct	tccacctgc	agcaggtggg	atgaggtctg	780
tgtgtgtgtg	tgaaccatca	ttttttgatc	atcatgacca	atgaaacatt	gaaaaaaaaa	840
aaaaaaactg	gagggggggc	cgtacccaan	tcgccgnata	gtgatcgtaa	acaatc	896

<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36						
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cctgcaagcg	cagagcctcc	taccaggac	catggcagcc	ccccaggaca	gcctcagacc	120
aggggaggaa	gacgaaggga	tgcagctgct	acagacaaag	gactccatgg	ccaagggagc	180
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arggcaggga	akgtcaacct	acctgcccct	ctgtgctgag	gcatgttcct	gcctaccatc	360
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ccacctcagc	cttggccctc	acgctgtgga	agcagccaag	gcacttcctc	accccytcag	720
cgccacggac	ctytytgggg	agtggccgga	aagctcccs	gcctytgggc	tgcagggcag	780
cccaagtcac	gactcagacc	aggtcccaca	ctgagctgcc	cacactcgag	agccagatat	840
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cttgttctctg	ag					912

<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37						
aattcggcac	gagcggaggc	gagggaaact	ragggcgaaa	gttgtgtgtc	gtgttggcag	60
gagggcctag	aagggaaaaga	ctgtctagtg	ggacaatgtc	atattataaa	tttggaatgc	120
tgaatagaaa	attatagatt	ttgatattga	aggaaatgaa	gcgaagcyta	aatgaaaatt	180
cagctcgaag	tacagcaggc	tgtttgccctg	ttccgttggt	caatcagaaa	aagaggaaaca	240
gacagccatt	aacttctaata	ccacttaaag	atgattcagg	tatcagtacc	ccttctgaca	300
attatgattt	tcctcctcta	cctacagatt	gggcctggga	agctgtgaat	ccagagttkg	360
ctcctgtaat	gaaaacagtg	gacaccgggc	aaataaccaca	ttcagtttct	cgtcctctga	420
gaagtcaaga	ttctgtcttt	aactctattc	aatcaaatat	tggagaagc	caggggtggt	480

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<210> 38
<211> 872
<212> DNA
<213> Homo sapiens
```

```
<210> 39
<211> 812
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (806)
<223> n equals a,t,g, or c
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<221> SITE

<222> (810)

<223> n equals a,t,g, or c

<400> 39

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gcttgatgat	aataatfff	ctcttatgtt	aatgttggt	ccgtttgggt	gttttagcttt	120
tgaaaggagt	atgaaaatgc	ggaatggggc	tttggggctt	gaggagggtg	gatctctagt	180
gtttaaaaaa	tttaattgca	caaataaaaa	taattcaccc	acattattga	acccactaa	240
agcatatcct	ttttgtccat	attcctttcc	tgctgccctc	gtgtgtacca	ttattactca	300
gttgtgattt	gagctcggtc	cacttaaagt	cattcataga	tacttttgcg	tcgtgttkga	360
atattttattg	aatttctatt	ctgtgtttta	cttaattact	ttattatgga	acctttacac	420
aggtctgggtg	tacttgttct	ttgaaaagtc	ttatgttgac	caccatcact	gagcatatag	480
ctttttcctt	atttccttgg	gataattacc	cgaagtggaa	ataccgaatc	aaacttctgt	540
tttctttcct	tggcactatt	atataaattg	ttttccaaac	aaggcatggt	tacaatagac	600
atttttcaaa	atctgggtat	ttgtcctatt	ttgtctctgt	tatgcagaat	tcagcggggg	660
gccaagtcgt	tttctgtgtg	ggttgagaga	caggctgtgc	agcccactgt	tgcataggac	720
taactactac	aaatcatgct	gagaccgagc	tatttttgct	gcttagargc	tttgagcct	780
tgagtaagtt	tcgncatctg	gaaacnttgn	aa			812

<210> 40

<211> 1515

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> n equals a,t,g, or c

<400> 40

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cacagaactg	gggtccggcc	tccttgacat	gcagatttcc	acccagaaga	cagagaagga	180
gccagtgggtc	atggaatggg	ctgggggtcaa	agactgggtg	cctgggagct	gaggcagcca	240
ccgtttcagc	ctggccagcc	ctctggaccc	cgaggttgga	ccctactgtg	acacacctac	300
catgcggaca	ctcttcaacc	tcctctgggt	tgccctggcc	tgacagccctg	ttcacactac	360
cctgtcaaag	tcagatgcc	aaaaagccgc	ctcaaagacg	ctgctggaga	agagtcagtt	420
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gaagcgcgtg	accgaccagc	tgggcatggt	cacgcacaag	gagtttgagc	agctggcccc	960
cgtgctggat	ggtttcagcc	tcatgacct	cgactactct	acagcgcac	agcctggccc	1020
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aaaaaaaaa	aaaaa					1515

<210> 41
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 41
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 ctaccaagat tttagtgaag cctgacagga catttgaaat taagattgga cagcccactg 180
 tttcctactt cctgaaggca gcagctggga ttgaaaaggg ggcccggcaa acagggaaag 240
 aggtggcagg cctggtgacc ttgaagcatg tgtatgagat tgcccgcata aaagctcagg 300
 atgaggcatt tgccctgcag gatgtacccc tgtcgtctgt tgtccgctcc atcatcgggt 360
 ctgcccgttc tctgggcatt cgcgtggtga aggacctcag ttcagaagag cttgcagctt 420
 tccagaagga acgagccatc ttcctggctg ctcagaagga ggcagatttg gctgcccagg 480
 aagaagctgc caagaagtga cccttgcccc accaactccc agattttcaa ggaggtagtt 540
 gcaaaagctg tgcccaaggg gaggaaggag gtcacaccaa tatgatgatg gttttcatga 600
 ctttgaatga tatatttttg tacatctagc tgtatcgagg catcaggcct gaataaacat 660
 cctttcttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 704

<210> 42
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (196)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (226)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (302)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (596)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (952)
 <223> n equals a,t,g, or c

<400> 42
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 acatagttgc agttactgca ttgaatacct gtgggtttgc ctgttggtct gtctgtctct 180
 gtggttcttg taatantgga tcccagagat aaaaaggaca gttgtnatgc acagttaatt 240
 cagaaactag accttacttg ctgtgtgaaa taccaactaa attctcagtg aactcagctg 300
 anctttatct ccttttggtt cccaatttta taatttcagt tcaggcccag aaagatggaa 360

09933767.082204

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agtgctcttg	cagctatgtc	atztatattg	atttccctgt	attattataa	gcaaagcaaa	480
tttgaggaaa	aaaaccata	ataccacacc	tcattttttt	caagtaatag	ggtcataagt	540
ctcatyctyc	atataatatg	ttgagtatgc	agtatattat	gtgttaggct	ctgganaggc	600
agaggttaga	tcagtwwaca	gatcatatck	gattaggcag	ataaacagta	ttttaacctt	660
ttccttatta	tatgtaactt	gctttcaggt	tttttaaatgt	tactattatg	tctttaatat	720
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acacacwwaa	aattggccag	tgggtgggtggc	atgtgcttgt	agtcccactt	agctactcga	1020
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gcacctctac	actc					1094

<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43						
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ttgtgtagtc	ttagctgtat	gctgaaattg	ggcgtgtggt	ggagggtctc	ttagctcttt	180
ggtgagattg	tattttctatg	tgtttgcata	asctgaatgt	tgctggaaat	aaaaccttgg	240
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gctcctttgt	acaacaggaa	aatgcctcaa	agccttgctt	cccagcaacc	tggggctggg	360
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ngcccctaag	gggggggggt	t				1821

<210> 44
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 44
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 <211> 983
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (976)
 <223> n equals a,t,g, or c

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 kgsggcccgt ccccantccc ccc 983

<210> 46

<211> 2421
 <212> DNA
 <213> Homo sapiens

<400> 46
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 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 47
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<210> 48
 <211> 2432
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (593)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2049)
 <223> n equals a,t,g, or c

<400> 48						
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<210> 49

<211> 1742

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (570)

<223> n equals a,t,g, or c

<400> 49

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1742

<210> 50
 <211> 1487
 <212> DNA
 <213> Homo sapiens
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 <221> SITE
 <222> (1486)
 <223> n equals a,t,g, or c

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<210> 51
 <211> 1328
 <212> DNA
 <213> Homo sapiens

<400> 51
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<210> 52
 <211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 52						
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ggggtaaatg	tttacttcaa	aatgactcca	tatttcaa	atctgttttag	actgtgaagg	1740
ccaaataatt	tttaagaaaa	catttgaaga	gtagtgtgtt	tgcatattgtg	aataatctta	1800
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<210> 53
 <211> 1558
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1514)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1551)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

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 gcaattgtga gttgtgctgc tccagatatc atctttaact cctttgcctt ctccacatac 240
 atttccaagt cctgttcatt ctacctccaa aatgtatctt gtatccattc atctctctcc 300
 atcttcaatc tatttcaatg ccccatcatc tcttgcattg aggagtgtaa taattggcta 360
 actggcctgt tcttacattt taaaatcaaa agatgtgaca ggtgaaatgc ctatttcagt 420
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 agcaggggat gtgtttcggg tcaactcacag ggctcagcac cactcctcat ggcttcctta 660
 ctgtttcggc agaggctgac ccgcggctga ttgagtcctt ctcccagatg ctgtccatgg 720
 gcttctctga tgaaggcggc tggctcacca ggctcctgca gaccaagaac tatgacatcg 780
 gagcggctct ggacaccatc cagtattcaa agcatcccc gccgttgtga ccacttttgc 840
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 ttgattattt tctgctacag acctggtaca ctctgatttt agataaagta agcctaggtg 1260
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 tgtagttctc tcatttccaa accatcagct gcttttaaaa taagatctct ttgtagccat 1440
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 aaaaaaaaaa aaanaaaaaa aaaagggggc cgctctagag gtccaagtta ngacngng 1558

<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54
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 ccaggctctt tctgcagwca taccgcggac ccaatggggc ccctgcacac ccgtttctgg 180

ggccgtcaga	cttggatata	tcgtaaactc	cgccctccacg	gaacgtctcg	cctkgcgagc	240
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caccgcccc	gctctgacaa	aacccccgct	ccaggtcggc	aggctccgct	tcttttcttc	480
tccgcggggg	gattcagtc	agtgattggg	tttgtggctc	caggcctcgc	ccacagacgg	540
acagaccct	ccctttcttc	cggcaaaagg	accgagccct	ggggtagtaa	ggsccccaca	600
ctcctgtttt	ttgcaagtac	atTTTTgttc	ytccctccacc	caggatatctg	cctatTTTTct	660
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<210> 55
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (751)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (879)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (888)
 <223> n equals a,t,g, or c

<220>
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 <222> (897)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (899)
 <223> n equals a,t,g, or c

<220>
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 <222> (901)
 <223> n equals a,t,g, or c

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tccagggaga	ggagcggaaa	cagaagaggg	gcagaagacc	ggggcacttg	tgggttgag	180
agccccctcag	ccatgttggg	agccaagcca	cactggctac	caggctccct	acacagtccc	240
gggctgccct	tggttctggt	gcttctggcc	ctgggggccg	ggtgggcccc	ggaggggtca	300
gagcccgtcc	tgctggaggg	ggagtgcctg	gtggtctgtg	agcctggccg	agctgctgca	360
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gtccgaagcc	accaccatga	gccagcaggg	gaaaccggca	atggcaccag	tggggccatc	480
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caaactgtcc	aggtgagcct	gatgctgaac	acgtggcctg	tcattctcagc	ctttgccaat	660
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cagccctga	caactttctt	ctgccctctc	ttgccccana	aacagcanaa	gcagganana	900
nactccctct	ggctcctatc	ccacctcttt	gcatgggaac	ctgtgccaaa	caccaagtt	960
taagaaaaaa	ataaaactgt	ggcatctcca				990

<210> 56

<211> 1603

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (788)

<223> n equals a,t,g, or c

<400> 56

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agtccagaga	gagcagacca	cggcgccaag	gcgaggtcac	ggtcctttct	ggtggcagat	780
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<210> 57
 <211> 1052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (250)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57						
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cctccctacc	tttcccagac	ctctcactcc	tgcttggtgt	tccaaccctg	tctgtggcca	180
gagtatacat	tttggaaact	cttcgaggcc	atcctgcagt	tccagatgaa	ccatagcgtg	240
cttcagcagn	aaggcccag	acatgtatgc	agaggagcgg	aagaggcagc	agctggagag	300
ggaccaggct	acagtgcag	agcagctgct	gcgagagggg	ctccaagcca	gtggggacgc	360
ccagctccga	aggacacgct	tgcacaaact	ctcgcccaga	cggaagagc	gagtccaagg	420
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myccttccct	ttcttggtga	aaggcacctc	ctttcctgat	aatgaatgg	gttccctttg	600
cttggtctgg	gagcccccca	ggccagggtt	gctggccata	gatacctttg	ggctgcctgr	660
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tttggtctta	ccttggtatc	gctagtaaat	aactaatagg	caggcagtta	tttgggtaag	960
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<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (751)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

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<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

059376.08201

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 <221> SITE
 <222> (1098)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1186)
 <223> n equals a,t,g, or c

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 atgggaacag aatggagggc ctgagaacat actttctaaa tgcctttgac ccaggaaccg 180
 attatctata tttgttccca ttttccttca ccgtgacatt ccagcattgt ctgactgtga 240
 ggtgggcctt tgagagcctc caggttcctc aaaacaggcc tgagcgatgg gcatcacacc 300
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 gctagttttc acattctttac tagtgtttgg ytcacctttg ggcaaaggcc ccctctaggc 420
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 taatctttta acagtgtttt gcaaacaaaac aaaaagagaa aaatcccagc caggggaact 540
 cgccacctgc ccacgctagt tccatccacg ctcaagaccc gcccttagac caggcaggca 600
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<210> 60
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (410)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (476)
 <223> n equals a,t,g, or c

<400> 60
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 cagtggagtc ctgctggctg taatcattaa ttgtgaaatc taaggagctt agttcatggc 120
 tctagaattt cacagaaaar tgygmtatga tacgagcatt aagtttattt cttctgatct 180
 ttgatgcagc tttgttcagt ttatctgttt ttgtatttat tggatcatcta cttcccatgc 240
 caaaaggggac tggctctacat agctgcgcta aacacctgat caaatcacta aaagaaaatg 300
 tgttacctct aatgaattat cctgattgta agttaaaaa caatatttcc ccgtagttag 360
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478

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<222> (584)  
<223> n equals a,t,g, or c
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<220>

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 <222> (158)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<400> 62
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 tctgctgcta cagctcatag aagtcaacaa ttttcttcaa cactggtagg cagcctctaa 120
 atggccctga tcaccctcac ctccctgccat tcacaccnnt gtaaaattcc acccctggac 180
 ctagtgactc acttctaaca angagaatac agcaaaagta acatcgcttc tgagggtgagg 240
 ctacaaggag actacgatgc ctgccttggt cacccttctc ctgctctttc cattgctccc 300
 tctgatggaa gccagttgcc atgtgatgag gtgccctatg gagaggccca cgtgacaagg 360
 tattgtaaaa agcctctgac caatagccat ctagaaacgg agggcccagtc cagcagcctc 420
 tgagatgaat cctgccaacc tgagcttgga gacagattct ctccctatcc tgccttgggga 480
 tgatcacagc caccaccaac accttcactg cctgggtgaga ggccaagcca gtgaacccaa 540
 ggtaaaactgg acagaatcct gaccacaga aactgagata atgtttgtta ttttaagctg 600
 ctcaagtttgt tacagagcaa tagataacta actcaaacac cataaaattc taatatttta 660
 ttctatcaca caaaccaggt aataccaagt aaatgccatt actatacaca tattttttgta 720
 acacaattac atgtgatttt ttaagaaggc t 751

<210> 63
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (738)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)

0993767.082201

<223> n equals a,t,g, or c

<400> 63

cngncagtca	cngtccccga	ttccccgggtc	gacccacgcg	tccgggttgg	caactcctga	60
ggcctgcatg	ggtgacttca	cattttccta	cctctccttc	taatctcttc	tagagcacct	120
gctatcccca	acttctagac	ctgctccaaa	ctagtgacta	ggatagaatt	tgatccccta	180
actcactgtc	tgcggtgctc	attgctgcta	acagcattgc	ctgtgctctc	ctctcagggg	240
cagcatgcta	acggggcgac	gtcctaatacc	aactgggaga	agcctcagtg	gtggaattcc	300
aggcactgtg	actgtcaagc	tggcaagggc	caggattggg	ggaatggagc	tggggcttag	360
ctgggaggtg	gtctgaagca	gacagggaat	gggagaggag	gatgggaagt	agacagtggc	420
tggtatggct	ctgaggctcc	ctggggcctg	ctcaagctcc	tcctgctcct	tgctgttttc	480
tgatgatattg	ggggcttggg	agtccctttg	tcctcatctg	agactgaaat	gtggggatcc	540
aggatggcct	tccttcctct	tacccttcct	ccctcagcct	gcaacctcta	tcctggaacc	600
tgctctccct	ttctccccaa	ctatgcatct	gttgctgctg	cctctgcaaa	ggccagccag	660
cttgggagca	gcagagaaat	aaacagcatt	tctgatgcca	aaaaaaaaaa	aaaaaaaaacc	720
gcggccgaaa	gcttattncc	ctttaagtaa	ggggttaatt	ttagcttgg	gcactnngcc	780

<210> 64

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (566)

<223> n equals a,t,g, or c

<400> 64

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gagctcgccc	gccagaagaa	tatgaaaaag	cagagcgact	cggttaaggg	aaagcgccga	120
gatgacgggc	tttctgctgc	cgcccgcaag	cagagggact	cggagatcat	gcagcagaag	180
cagaaaaagg	caaacgagaa	gaaggaggaa	cccaagtagc	tttgtggctt	cgtgtccaac	240
cctcttgccc	ttcgccctgtg	tgcctggagc	cagtcccacc	acgctcgctg	ttcctcctgt	300
agtgtctaca	ggccccagca	ccgatggcat	tccttttgcc	ctgagtctgc	agcgggtccc	360
ttttgtgctt	ccttccccctc	aggtagcctc	tctccccctg	ggccactccc	gggggtgagg	420
gggttacccc	ttcccagtg	tttttattcc	tgtggggctc	accccaaagt	attaaaagta	480
gctttgtaat	tcaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	540
aaaaaaaaaaa	aaaaaaaaaaa	aaaanncg	ggggggcccc	cccccccc		588

<210> 65

<211> 945

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

00033767.082201

<222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<400> 65
 naatacgc atnanagggc gattgggtac gggccccccc tcgagttttt tttttttttt 60
 tttggcaagt gagaagatgc agataggcaa aaagraaaaa aaagagatca cacagagatt 120
 cactgttaac ctttgggtgta taataaaatc agacactttc ctttgcatta tgtcacatag 180
 aaatgtacaa ataaagtgtgta catatataca cacatatatg tatacactgt tttgcaactc 240
 gttatttttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
 attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcata tgtaaactctc 360
 agcaacatcg aatgactgga gtaaaacgat agcaaatatt tatcaagaaa gtgcagacaa 420
 acagaaagca gtggcaacat taataacaga aaataattga attgtcagag aaattaatta 480
 aatgggataa ggacgggtccc gagaatgcct atgggttagaa tgcagagccc taaatttctt 540
 tctyagaccc cttatctctt ccaaacacct ttccatctca tctccctccc ttgtcatttc 600
 ttcattctta aaatgcctat agtctatgtc ctctttaaact tcttcgagag actgaagcag 660
 cctctgtcta aaattccctt ctgtttgctg gcgttcaaat tctccatacg ggcgtttttc 720
 ctccctcttt ggcacgctgc actttggctt tccttcgctt tctttgcagg gtttttgcac 780
 gatgttggtg ttgtttcctg cttaactctg tgcggggtag tttcctgctc cttttcttcc 840
 cccagatgtc tgtgaacaca gatcctggga cctcttctt cccttggcca caagcacgca 900
 cggcacgctt gtctgcaggg cagtaaggag ctggtacctc gtgcc 945

<210> 66
 <211> 1866
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (262)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (674)
 <223> n equals a,t,g, or c

<400> 66
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 acaagagcat cttggatgta ggacaatgga agagtttagat gccttattgg aggaactgga 120
 acgctccacc cttcaggaca gtgatgaata ttccaaccca gctcctcttc ccctggatca 180
 gcattccaga aaggagacta accttgatga gacttcggag atcctttcta ttcaggataa 240
 cacaagtccc ttgccggcgc antcgtgtat actaccaata tccaggagct caatgtctac 300
 agtgaagccc aagagccaaa ggaatcacca ccaccttcta aaacgtcagc agctgctcag 360
 ttggatgagc tcatggctca cctgactgag atgcaggcca aggttgagcag gagagcagat 420
 gctggcaaga agcacttacc agacaagcag gatcacaagg cctccctgga ctcaatgctt 480
 ggggggtctsg agcaggaatt gcaggacctt ggcattgcca cagtgcccaa gggccattgt 540
 gcatcctgcc agaaaccgat tgctgggaag gtgatccatg ctctagggca atcatggcat 600
 cctgagcatt ttgtctgtac tcattgcaaa gaagagattg gctccagtcc cttctttgag 660
 cggagtggtt tggntactg ccccaacgac taccaccaac ttttttctcc acgctgtgct 720
 tactgcgctg ctcccatcct ggataaagtg ctgacagcaa tgaaccagac ctggcaccca 780
 gagcattctt tctgctctca ctgaggagag gtgtttgggtg cagaaggctt tcatgagaag 840
 gacaagaagc catattgccg aaaggatttc ttagccatgt tctcacccaa gtgtggtggc 900


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tgcaatcgcc cagtgttgga aaactacctt tcagccatgg acactgtctg gcacccagag      960
tgctttgttt gtggggactg cttcaccagt ttttctactg gtccttctt tgaactggat      1020
ggacgtccat tctgtgagct ccattaccat caccgccggg gaacgctctg ccatgggtgt      1080
gggcagccca tcaactggccg ttgtatcagt gccatggggg acaagttcca tcctgagcac      1140
tttgtgtgtg ctttctgcct gacacagttg tcgaagggca ttttcaggga gcagaatgac      1200
aagacctatt gtcaaccttg cttcaataag ctcttccac tgtaatgcca actgatccat      1260
agcctcttca gattccttat aaaattttaa ccaagagagg agaggaaagg gtaaattttc      1320
tgttactgac cttctgctta atagtcttat agaaaaagga aaggatgatga gcaaataaag      1380
gaacttctag actttacatg actaggctga taatcttatt ttttaggctt ctatacagtt      1440
aattctataa attctctttc tccctctctt ctccaatcaa gcacttggag ttagatctag      1500
gtccttctat ctcgccctc tacagatgta ttttccactt gcataattca tgccaacact      1560
ggttttctta ggttttctcca ttttcacctc tagtgatggc cctactcata tcttctctaa      1620
tttggctctg ataactgttt cttttcacgt tttcccat ttcctgtggct cactgtctta      1680
caatcactgc tgtggaatca tgataccact ttagctctt tgcactctcc ttcagtgtat      1740
ttttgttttt caagaggaag tagattttta ctggacaact ttgagtactg acatcattga      1800
taaataaaact ggcttgtggg ttcaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1860
aaaaaa

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<210> 67
<211> 1152
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (668)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (745)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1015)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1088)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1110)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1113)
<223> n equals a,t,g, or c

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<400> 67
ctcaaggatg taaaggctct gcagatttct ggaggcctgt ctcccagcac ctgatgggac      60
actttttgcc ccactgtaaa ttctgggtgt atcctccact gtatgctgtc accccaaggg      120
caagcactgc atctgcttag tgaaggattt attgttcgga agatacattt tccccttkag      180

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F022280" 292E660

cagagagtgg	cgtatcctgg	cagtcttcgg	tgagccagtt	gtaccaggat	tatgaaatgc	240
agatgtttac	tgtgtcattg	ttgctgtcat	tgctactgag	gagtactgac	cagaatcatc	300
tgcaactytt	agttggcaga	gaggaccact	atggcgggta	gctcttttct	ttcctgccat	360
tgtggggatg	attccaggcc	aaagatgatg	garaagtatg	gaaatcatct	gaaaggttga	420
agcttggcac	gtgaagccat	tcattgacttt	gtaaggcagt	tttgctgaag	gccagttctg	480
ccctgggagg	gacggagggtg	aatcctcctg	agtacctgtg	gttttcttac	ttcctgctga	540
atttacctaa	gtgcctgttg	tttgcttgct	gtggaggctt	tctgggtattt	catttcagggt	600
gcagatgcct	tcactttccc	accraaaaaa	ccccmaccaa	acctaagacc	ttactgcaac	660
taagtytncc	aagtactttt	taacccaatg	ggatgaacag	cctgtggtct	gctcagatca	720
ccctgagtgc	gtgtgagaag	gcmtnggctt	tgccaggaaa	tccagggaag	cagggccggg	780
ctgtgttgga	agctggctta	gctgggtggg	cagccttatt	tcaattaaaa	gggcattgac	840
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aaaatagcag	attggagcct	tgcagaaggc	agtaaatggc	tgtttttatt	gacaaaagga	960
aaacatttta	ctgccatctc	actgatggca	tctcactgac	ttaaaatgaa	ggcangttgt	1020
agtaaaaaaa	aaagtctaca	tttttcacc	gccacgttct	tatatcctgt	ttgtcagcca	1080
ctgctcanaa	gggcatgttg	tcttgcggan	tanaggcgct	ctccttcctt	cgttttccct	1140
ataggttggg	tg					1152

<210> 68
 <211> 2483
 <212> DNA
 <213> Homo sapiens

<400> 68	
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cgccgccatg	ggctcctcgc
cgttctgcgg	gtacaagaaa
ttttattgtt	tctattaatg
gctgaaasca	aacggtgaaa
actgcgagag	acctcagtc
gagcattcgt	ttctgcagct
ggaatcaaat	tctcctgcag
agcagatata	gtcatgaatg
aaaaccattg	aaactgtatg
tacaccaa	tctgcagggg
tttgcacga	atacctacac
aatggctggg	acacctatta
agttaatccc	ccgtctttgt
actttctatt	agctcaactc
agtaccgtta	ttgccaccac
agctactaca	ttaccaggtc
caacctcaac	ctcccagcac
cccaggctctg	ccacctcttc
ccccctgcca	tccgagttcc
aagctcagga	gagctgctgt
cacaactact	gcaaaggcag
tgccaaggcc	cccaccaccg
gcctgtttct	gcggctgtgg
ttggaattgg	cgtggtatat
atttcatact	agtttgtacc
taaacagagga	cgtgggttgt
tgtcagaaa	cgctgtgatt
ggcttgcact	gccgttcctg
ctaggtttcc	tgtccctgc
ctcacacgca	acatttcttg
aaactgtaaa	cggtaaagag
gtttacacag	gaattccacc
cgaggagcagc	gcgkagcccc
gatccccgggc	gggggcaccg
acacagagct	ggtttggagc
aaataaagac	aatgacactc
gatgcttatc	tatagcagca
cctgtggggc	ggccagggct
aaatgaaaat	gtttggcatg
tcttagacca	cacagtgatt
tctattcagc	cttatcgaaa
agacactgat	aactgtcgag
cagcctagga	tgtggcattg
ggaaggaaag	aaaatttctc
agatgggttt	acagagggtcc
aactacagga	attgaacaga
cagtagtgtt	ctcagtacag
gtccctcact	tctgtgccac
accagcagga	ctgcccaccc
gccagggggt	ggcttaccag
ttcccgaac	ttacctggca
ccccttggtt	ccagagagct
gcccaccagc	aacgcaccct
ctcactcact	gtggatgtga
agtcggcgac	tccaccccag
ttctgagtea	ccttaacttt
gagcgtgtct	ggaaacgcaa
gcacctctgta	aataattcca
gttgagtggg	gtcacacgc
tcttcgggaa	aggtgggtgg
gtaagaaaat	gaaatattct
gtcgtttgcg	agaatgcaga
ttggtctccg	tgagtcgcac
tgtaaagt	ctacagcgcg
acacagagct	ggggcgctcca
atgcctaata	ccacctcact
ctctactaag	cactgttaac
1200	
1260	
1320	
1380	
1440	
1500	
1560	
1620	
1680	
1740	
1800	
1860	
1920	
1980	

tgaacgtctt	tttcttcage	ctatacgcg	atccttggtt	tgagctctca	gaatcactca	2040
gacaacattt	tgtaactgct	gctggttgctt	tctacataca	ccttataaaag	tgacatttca	2100
aaagaaataa	ggtgccacag	ttttaaacca	gaaggtggca	ctctgtggct	ccttgtagta	2160
ttatagctat	actgggaaag	catagataca	gcaataaagt	acagtaattt	tacttttttt	2220
cttgtgttac	atctaaatta	caacccttaa	ttgccacgtg	tgcaacttact	actctccagt	2280
atgtcttatt	actctccagt	atgtcacgca	tctttaactt	ttcacgtcct	atgtttgctt	2340
tctcccattt	ttaagagatg	gtaagttaac	tggaattgat	ttactgaatg	aaattaaatg	2400
cagatatccc	tgtttttgaa	ataaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2460
aaaaaaaaaa	aaaaaaaaaa	aaa				2483

<210> 69
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 69						
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aggagagcgt	atccgccgta	ggatggactt	agatcgtgta	aaagctgagg	ccaccgagga	120
tataacctcc	ggggctcctt	gcctcctttt	ccttagactc	cctccaaact	cgtgtatctt	180
tccttcagca	gtactgggct	ccacgcgaac	ctagtccttt	gtctttaccc	tattaccttt	240
cataacatcc	tagttgaaaa	gtartttattc	aaccgcgttt	gaaaatgaga	acagggtcac	300
agargctagg	ttacttgcca	aggtcgttca	attagtaacc	agtaacgccca	ggactgccag	360
tttcttgctt	ccgaattctc	atggtagctt	tcaccargct	ccccgtcmaa	tgctaacgtc	420
aactactgaa	ctagattagc	aaaaaggctc	tttaacagaa	ttcctgggtt	tcagagagag	480
tttctttcat	gaagcgcccc	atttctacag	aggaaaataa	actccaagca	gccagt	536

<210> 70
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 70						
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ggtacgggca	cctcgctggc	gctctcctcc	ctcctgtccc	tgctgctctt	tgctgggatg	180
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ggttcgggtc	tcttcgtgtt	ctcgctcact	gccttcaata	atctggagaa	tcttgtcttt	300
ggcaaaggat	tccaagcaaa	gatcttccct	gagattctcc	tgtgcctcct	gttggctctc	360
tttgcacatg	gcctcatcca	ccgagctctgt	gtcaccacct	gcttcatctt	ctccatgggt	420
ggtctgtact	acatcaacaa	gatctcctcc	accctgtacc	aggcagcagc	tccagtcctc	480
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gttgattctt	tgtaaaaaaa	aaaaaaaaaa	aaaa			574

<210> 71
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (884)
 <223> n equals a,t,g, or c

<400> 71						
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agaacataag	gtcttgtgca	agaggagccc	tcgctcttct	gttccttctc	ggcaccacct	120
ggatcttttg	ggttctccat	gttgtgcacg	catcagtggg	tacagcttac	ctcttcacag	180
tcagcaatgc	tttccagggg	atgttcattt	ttttattcct	gtgtgtttta	tctagaaaga	240
ttcaagaaga	atattacaga	ttgttcaaaa	atgtcccctg	ttgttttgga	tgtttaagggt	300
aaacatagag	aatggtggat	aattacaact	gcacaaaaat	aaaaattcca	agctgtggat	360
gaccaatgta	taaaaatgac	tcatacaatt	atccaattat	taactactag	acaaaaagta	420
ttttaaatca	gtttttctgt	ttatgctata	ggaactgtag	ataataagggt	aaaattatgt	480
atcatataga	tatactatgt	ttttctatgt	gaaatagtct	tgtcaaaaat	agtattgcag	540
atatttgga	agtaattggg	ttctcaggag	tgatatcact	gcaccaagg	aaagattttc	600
tttctaacac	gagaagtata	tgaatgtcct	gaaggaaacc	actggcttga	tattttctgtg	660
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gtggaacata	agagaatgaa	ggggcagaat	atcaaacagt	gaaaaggga	tgataagatg	780
tattttgaat	gaactgtttt	ttctgtagac	tagctgagaa	attgttgaca	taaaataaag	840
aattgaagaa	acacatttta	ccatttaaaa	aaaaaaaaaa	actngagggg	ggccccggtac	900
ccaaatcgcc	gcatagtgat	cgtaaacaat	ct			932

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72						
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ccccgcgcg	gcggcccact	ccccgacct	gtactcccg	catgcgggcc	ctgagccagg	120
agatcaccgc	cgacttcaac	ctcctgcagg	tctcggagcc	ctcggagcca	tgtgtgagat	180
acctgcccag	gctgtacctg	gacatacaca	attactgtgt	gctggacaag	ctgcgggact	240
ttgtggcctc	gcccccggtg	tggaaagtgg	cccaggtaga	ttccttgaag	gacaaagcac	300
ggaagctgta	caccatcatg	aactcgttct	gcaggagaga	tttggtattc	ctggttgatg	360
actgcaatgc	cttggaaatc	ccaatcccag	tgactacggt	cctgccagat	cgtcagcgct	420
aagggaactg	agaccagaga	aagaacccaa	gagaactaaa	gttatgtcag	ctaccagac	480
ttaatggggc	agagccatga	ccctcacagg	tcttgtgtta	gttgatatctg	aaactgttat	540
gtatctctct	accttctgga	aaacagggct	ggtattccta	cccnggaacc	tcctttgagc	600
atagagttag	caaccatgct	tctcattccc	ttgactcatg	tcttgccagg	atgggttagat	660
acacagcatg	ttgatttggt	cacctaaaaa	gaagaaaagg	actaacaagc	ttcactttta	720
tgaacaacta	ttttgagaac	atgcacaata	gtatgttttt	attactgggt	taatggagta	780
atggtacttt	tattctttct	tgatagaaac	ctgcttacat	ttaaccaagc	ttctattatg	840
cctttttcta	acacagactt	tcttcactgt	ctttcattta	aaaagaaatt	aatgctctta	900
agatatatat	tttaygtagt	gctgacagga	cccactcttt	cattgaaagg	tgatgaaaat	960
caaataaaga	atctcttcac	atgaraaaaa	aaaaaa			996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73						
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tgctgggtgc	atggccacgt	gtgagcaggc	cagcgtcama	cggtctcgctg	tgaccgcgtcc	120
cgragactga	aatgggcctg	ggtcttctcc	tkgtcctgtg	atwaaagtcc	tctcttgaaa	180
gtggagagca	aaggcacaca	gaggtgcgcg	ctcacaagaa	ttcctcccgg	tgactgggta	240
atcaatgtta	ctgctgtttc	ctttgcagga	aagaccacag	caagattctt	tcattcgtct	300

F02280" 292E660

cctcctagcc	tggggggacca	ggctcgaact	gaccctggac	atcaaaggag	ggattatgtg	360
gctgctaaag	ccatcggccc	acagccctgt	tcacrtcttg	gtgcttctct	ttcccagagg	420
ctgggtcccag	ccaggcacac	acaaaaggca	gattctcgta	aacscagcct	ccctccctgg	480
aggctgcctc	ctgccctgga	tctggagtg	agctgctctg	agattttgag	ttcttctgca	540
gagatgatta	aatatatcca	agagacattg	gaaaacctgc	tgaacatttt	acattggtct	600
gctcagcaca	tggctggatg	cggatatttc	tataattcca	gaaagtcaca	cagctcctct	660
gtatgagacc	agtgggccc	atttaaaaga	acaggatgag	aatctaagat	atattattaa	720
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aaaaa						785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74						
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gttcttaggc	tcctgcacat	gaagggtgtg	gcctgtgggtg	tggtgggctgc	tctaggagca	180
gatacaggct	ggtatagagg	atgcagaaaag	gtagggcagt	atgtttaagt	ccagacttgg	240
cacatggcta	gggatactgc	tcactagctg	tggagggtcct	caggagtgga	gagaatgagt	300
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gcctttccga	gtcctgcagt	gggctgccct	gtaccctgaa	cctcatgagc	ctctaaggga	420
aaggaggaac	aattaggacg	tggcaatgag	acctggcagg	gcagartaca	agcccagcac	480
cagtgtccca	gccttactgg	gtccttacct	tgggccaaac	agggaggggt	gatacctcct	540
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attttctgct	cagttcaaca	atgaaatgaa	gaggaactcc	ctctttctac	agctcacttc	720
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ccacagcctg	gataggcagc	cacattgggtc	ctcgcccttg	ctcggnactc	cgtgggtggtc	900
ctgcccttct	ccctgcatgc	ctgtgggtct	gctctgggtg	gtgaaggctg	gtgggttaac	960
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1069

<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75

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gagcttttagt ctgtctctgt ttcagttcat tttacaggag gtgaacatca cacttccaga      180
aaactctgtc tggatgaaa ggtataaatt tgatattcct gtctttcact tgaatggcca      240
gtttctgatg atgcacgag taaacacctc aaaacttgaa aaacagctcc tgaaacttga      300
gcagcaaagt actggargct gactgatgcc ctcatgattt tccaccctct cttcccataa      360
agcatcttcc taaggaaatg amcatggcct gatactcatt ttgtcacttg tacagagccc      420
taaggatgtt ctgaattcag tggtgccaaa taaatgttga cattcccctt ttggttgatg      480
gaagtatcag tgtgggaact gtttgcttaa tggcatttta taaaataaka akakcatatt      540
agcagggagg gagatgatgg agggagggag aagtccattt gtcttattta tcctttttgt      600
attaatagag aagcacttca cagtcactgg caatgccatt tataggaaga aggttctgca      660
ttcctgctgc tcccgagggg ctttaactttt taatgaaaga ataaatgctc ttcactcag      720
tagataaagt gaaatgtgaa ttgttaataa ctgtgcacgg tcaataaagc gatgttttaa      780
ggaatacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaactcg a      831

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<210> 76
<211> 590
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (12)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (27)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (30)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (76)
<223> n equals a,t,g, or c

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<400> 76
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agccagtcga ataacntata aggacaaagt ggagtccacg cgtgcggccg tctagactag      120
tggatccccc ggctgcagga ttcggcacga gctgccaggt gaggagcaga gagactgttc      180
ccttgggtgg agaggtgtgg gcatgagagc caccattgc caagcagcaa gaatgttcgt      240
gcttttttcc cttccaaaat atgcagggct caggctccca attccggggc tgtctgcttt      300
gcttgtgttt ctctgtccc tgttctccc gagggccagaa gtggaactca cgacagggag      360
ggagacgctt cccaaaaacc tgcagggcta tttcccagaa tttggttttc aagtacaaaa      420
ctttttgtcc tgtaagatat atgcagcctc acagaagcag cctctgcctc cactttacca      480
gctacgtttt tatcttaagc acatggggct cccttagaac ttactccact gatttaaaaa      540
aaaaaaaaaa aaactcgagg gggggcccgg taccattcg ccctaaaagt      590

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<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77
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 ctctgaaaat cctattgggt cctttatttt atttgagttt agagttccct tctggggttg 180
 tattatgtct ggcaaagtac ctgggttata acttttcctc cagggttaga tcatagatct 240
 tggaaactcc ttagagagca ttttgctcct accaaggatc agatactgga gccccacata 300
 atagatttca tttcactcta gcctacatag agctttctgt tgctgtctct tgccatgcac 360
 ttgtgcggtg attacacact tgacagtacc aggagacaaa tgacttacag atccccgac 420
 atgacctctc cccttggaac gctcagttgc cctgatagta gcatgtttct gtttctgatg 480
 taaccttttt ctcttcttct ttgcatcagc caattcccag aatttcccca ggcaatttgt 540
 agaggacctt tttggggtcc tatatgagcc atgtcctcaa agctttttaa cctccttgct 600
 ctctacaat attcagtaca tgaccactgt catcctagaa ggcttctgaa aagaggggca 660
 agagccactc tgcgccacaa aggttggggg ccatcttctc tccgagggtg tgaaagtttt 720
 caaattgtac taataggstg gggccctgac ttggctgtgg gctttgggag gggtaagctg 780
 ctttctagat ctctcccagt gaggcattgga ggtgtttctg aattttgtct acctcacagg 840
 gatgttgtga ggcttgaaaa ggtcaaaaaa tgatggcccc ttgagctctt tgtaagaaag 900
 gtagatgaaa tatcggtatg aatctgaaaa aaagataaaa tgtgacttcc cctgctctgt 960
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 ccaggaacct tgaagccaat ctgggggact ttcagattgt tgacaaagag gtaccaggca 1080
 aacttctctg tacacatgcc ctgaatgaat tgctaaattt caaaggaaat ggacctgtct 1140
 ttttaaggatg taaaaagta tgtctgcata gatgtctgta ctgtaaaatt ctaattttatc 1200
 actgtacaaa gaaaaccctt tgctatttaa ttttgtatta aaggaaaata aagttttgtt 1260
 tgtaaaaaaa aaaa 1274

<210> 78
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<400> 78
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 ttatttttct tctcaataa cgtttctttc aaaaacttct ggctgaagta taacatgctg 180
 gtagttaaca taaatcttgt ctttctcttg ttctttatct ttctttgtta tttagatgct 240
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 gccctaattt attgaccact taagaattgc ctttattggg gtattttatt tgttctctgcg 360
 tctttttgat gttgttcagt ctactcatcc ctgtgagtat gtgtggggga cagctgatag 420
 aaggaggagg agtgtgtcta tgctcaggat tgcccttttag ccactcagcc agagatccac 480
 agggagcaac aaggacagtt tcacatgctt agactttctt ggaagaaaca gtgaggagga 540
 gtaagtcgtg agtagtgtca agctggatgt agaattgtcc taaggcagtt gacccccact 600
 tccaacatgt tttcacttta tttgcccctc cctacatttg ggtaggttc catttgatt 660
 tgcagcaata atgactttat ttctctcttg gtcaggattt ggcacataaa atccttttat 720
 tatagaacta gctatttttag ttacatagta atgtaactaa tggagagatt tatagagaat 780
 tttgkttttg ctgtcatata tgtccatttt ggagacagat atgatagaac tagaaattaa 840
 gttgcatttc tgcaagtgcc atttgaatga acttcaagta tcttcttaat tattaaattt 900
 tctgatgaag gcattgtaac aaatatatag tattattaaa tctaattaat atttggaaat 960
 attaataaat aggtatttta tttactgtaa aaagtcaaac ttcattatgt agataaatct 1020
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<210> 79
 <211> 661
 <212> DNA
 <213> Homo sapiens

<400> 79
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 cccagactgg ggattttgccc agggggggcga tgggaggagc aggtgctttg cctggcggt 480
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 ggcatgtgcc agattacatg agtgacggct gggaatatgt tttctttttt gtaatggagg 600
 cgtgtttcac atatagtaaa gctcaccaaa aagtaaaaaa aaaaaaaaaa aaaaaactcg 660
 a 661

<210> 80
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 80
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 ggtgtcccag gaagtcagcc attactcccc agtggaatgg atccaactcg acaacaagga 180
 catccaaata tgggtgggccc aatgcagaga atgactcctc caagaggaat ggtgccctta 240
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 gggccaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac 480
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 agtaatcaac cgggcactcc aagggatgat ggcgaaatgg ggggaaattt cttaaactcct 720
 tttcagagt agagttactc ccctagcatg acaatgagcg tgtgatccat taccaagtct 780
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 actcagatgt tatggttttg taaatgtctg caatcatgga taggaataaa atcgcttatt 1320
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<210> 81
 <211> 1440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (38)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (41)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1128)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1129)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1440)
 <223> n equals a,t,g, or c

<400> 81
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 gggagaggcc caaccctaata taaggagcta aacttcctga gtgaggggct gtgaggatgg 180
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 ctgttccaat ctgcgtggtg cttcttttagt aaatactgta cagattttac catggagaac 540
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 cacctagact ttggagagca gtctgttttc tgtaattgtc gatactagaa actaatttgc 900
 ttatttttagt tgtattcaag atttgaagat gtattttata gacaagttct gtttttgaac 960
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 tgttttaaagt ttgatctttg tttttctaaa gattaaaaaa gcacttgccc cactgtaaat 1380
 atacagcatg taaaatttct rtagtatata aatggcagca aatcacaaaa aaaaaaaaaan 1440

<210> 82
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1379)

09033767.082204

<223> n equals a,t,g, or c

<400> 82

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cacggttttt	cctcatgtga	cttctgggaa	ggcgctccct	catctgggcc	aaaggaagga	240
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gatttcttct	ttgaaaggct	aagaccgtga	actgaaaaaa	gtgttgccct	ttttgcgagg	1320
ccagattttt	aagataaaaat	aaatattttt	acttctgtca	aaaaaaaaaa	aaaaaaatnt	1380
c						1381

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens

<400> 83

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ccaactatca	tctgagggtc	aaagatgaga	agtagatcac	ttaataagac	aaaagcctgt	180
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gaaggccacc	attctgtccc	tcaaaactga	cagctgcttc	tgtgggcaca	gtggcttgaa	420
ggggaagaat	gaagacacag	actcctctgt	tcccattatc	ccatctaaga	cccacactca	480
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aggagagact	aattcctttt	ccagtggaaa	atgagtgaata	ttctggacat	tcttcagagg	720
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acgcactgag	acttgacaca	cctagtggcc	acctagaacg	taggtcctta	aaatytagcc	960
ccccagcccc	caacccatct	ctagcctgtc	cactcacctg	gtgagggaacy	tytctctgtg	1020
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gagtgccttg	ggggaatgta	tactggaaaa	gaacagaggg	aaccaactcc		1140
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gagaggcggt	tcagagtggc	tgccagatta	tatacctcat	cctcatctag	gaaggacgac	1260
tgagaaggaa	agaagatcca	caatagcatt	tccccagaa	ctcatcagtc	cacatcccc	1320
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<220>
<221> SITE

<222> (1024)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<400> 86
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 acaagccaga ggagcccgga tgtgaggccc cagatcacct ccagggactt ggggttccca 180
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 yccctytccc gggytcccc tctgcatggg ggatgtgctc cttcctggcc cggtcacatt 480
 gcctccttga gccttagtcc aggggggtcac tyctcccacc ccacctacct cacagggttg 540
 ttgtgagggt gcacagagga gcaaagtccc tgaaggccct caggcagtat ataggggccg 600
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 gtttgcaaat ggagattcag gtattgggga tgcaggttgt ggggagctgg cctggcagag 720
 taggggtagt tggcctggcc ttctcttttg tgatcccacc cccagccatt tgcattgctg 780
 gcccagcgcc tggcctgggg ggcggggaga ggcagcagaa ggggctgggc aggggcgggtg 840
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 gtttgacttc ccgggatggg tccttgcttc tcagcttgtt ccgacccac catgtaataa 960
 aacccaaagg aacagcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
 ccnngggggg gncccc 1036

<210> 87
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<400> 87
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 aatgtttttg aggttcatcc aagctgtagc atgtatcagc acctcatttc tttttctggc 120
 tgaatattat tccattatat ggatttacca caattcattt acctattcat cttttgtttc 180
 tgctgtctgg ctattgtgaa taatgcttcg ataaacattc atatacaagt ttctatgtgg 240
 ctttatgttt tcatttctct tggctatcta catgggagta gaattctagg tcataatata 300
 attttatgtt taacttctca aagaattgcc aaaaggtttt tcatagtggc tgcattcattt 360
 acattcccac cggcaatgta caaggatttc tatttttcca tacccttgca cttaccaaca 420
 cttctttttk gtwatwattt tgttttttca ttattgccac ctagtggat gtgaaatggc 480
 atcttattgt tttgatttgc atttctctaa tgacaaatga tatcatactt tttttatgtg 540
 cttacggatc aaaggtattt ccttggagaa atgtcccttc aagtcctttg ccatttcaaa 600
 atttggttat ttgtctttta ttattcagtt ttaagaaatt ctggccaggc gcagtggctc 660
 acctgtaatc mtagcacttt gggaggccaa ggcgggcaga tcaattgagk tcaggacttc 720
 gagaccagcc tggccaacat ggtgaaaccc catcttacta aaaatacaaa aattagctgg 780
 gcgtgggtggc aggtgcatgt aatcntatct actcaggagg ctgaggcagg agaatcgctt 840
 gaaccagga ggcggaggct gcagttagcc aagatcacgc cattgcactc tagcctgggt 900
 gacacaga 908

<210> 88
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 88
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 ctctcttctc agattagaaa actgcctcat tttctgctca ctggatgtgc agtcccagct 180
 tgtcttctct tcttcccccc ctgttgccag tgttcttttt ttttttcttc tctccccact 240
 gggcagcaaaa agttgttcca cagtggaaa w ttaggcatcc tcaagtttcy tcccagcttc 300
 tgctgtgttt tcttagagta aattgccaat ttctgttttt acaggaaaatc cttttttaaa 360
 aatggaatca gtgtgggtccc catctactct gcaaaaattg catttttctc tattttcaaaa 420
 tgagatttgt tcaagtttca aaaccacgtg aaataataaaa tgtatagtag ttttcttttc 480
 cttgggcatt gctwgatatg tgaaatgggt ttatgaaaaa taataaaatc ataacgctat 540
 ttgtttgact ttcaatttca tgggaatttt tctcagctaa actctaaatg gtgattargc 600
 aaaaaaaaaa aaaaaaaacy graggggggc ccggtaccaa ttcgccctat aatga 655

<210> 89
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 89
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 tgcactctctg cttatttctc tagaagagat tccaagaagc ggtgagtga ttcacggcag 120
 cagaggggtg ggacatatta cgggcgcgga tccctcttgg agtgagatga ctctccggag 180
 agatttagtc gtcaccctcg cgtgtgaggc tgcgtcacac cccagggatg tgtctatcaa 240
 gatggaagat cttttacacg ctcttgattt tgtttgctt ttttctatt actagtgaga 300
 atgaaacttt ttatatgatt attatccatc ataatccaac acaaattact gcttcatgtt 360
 cttttacttt cctgtgaagg ttttagtgcc ttttaaaaaat tgctatatat taagcttgtt 420
 aatacttcca tgctgtattt gtggccatca gtttccccgg gcacaggcct gcacattttg 480
 ccttcacacg ctgggtggtt tttcattttc acttctattt ctggttcttc tctcgtttta 540
 tgttcagacg ggtttctccg tgtagaaagc agtttatgaa gatttacttt cgacagtctt 600
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 rtctctctct caccctatct tctattacga tccacagcct catgctttat garattgggtg 720
 gccgggarcg ggggagattt gcggatcccc caagccagac tttatcccc tctcctgcc 780
 tctggatccc acgtacaggc ctgggaactc cctgtgggta ggggccaatg gtctcgact 840
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 cytctgggtg cccctgaca cgcctccaaa gtgagcaggt aggtttcaac agccccacgt 960
 tgcaggtggg agatgaagct cagggtggag accagtatct cacagttctc tttgcatggc 1020
 cgggtacttg ttagtcaact gatcaagtga aaattctagc cccagaggca ggagaatccg 1080
 gaacaaaatt aaaccagcca gg 1102

<210> 90
 <211> 1533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

00033767.000001

<400>	91						
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gccagagctg	tacctgggcc	cctttgagct	gaggctgaag	ccagagtctg	aagctcagca		180
gggcagtarg	gccctgggcc	tggcccctga	aaccattctt	ttctcctaag	cctctgggcc		240
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cttggaatt	ggcttccctt	tagttatgct	catctctcta	gcaagtgaat	gtttcacaac		360
ctgcttgga	tctttctcta	ccacagarc	aggctgcaaa	ttttacaaa	ttttacactc		420
tgtttccctt	ttaaatataa	atttcgaatg	taagtcactt	ccttgctccc	atatctgatt		480
taggttgctg	gaagtagcca	agtcacctct	tgaatgcttt	gctgcttaga	aatttcctct		540
actaggtagc	ctgggtcata	acacttaagt	tcaaaa				575

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<210> 94
<211> 526
<212> DNA
<213> Homo sapiens
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<210> 95
<211> 426
<212> DNA
<213> Homo sapiens
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```
<210> 96
<211> 844
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (471)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (732)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (835)  
<223> n equals a,t,g, or c
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<400> 96
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 tcttctcttg ctcatcccag gctcctcca taacacctac cttagcacggc ctggggactt 180
 cccagcccaa ggaacaactg agaatactga gtgccagggt agccctagcc ccatttcaca 240
 cctgggcaaa gtgaggtcac tggattcaaa cactcagatt taaacctcct ctgtgtctgc 300
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 tttggcacct gtctctgtcc tccccattct ctgtcctcc tttctccaac tcagantcac 420
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 ggtctgctca acaactttgc actgaattgt aaataattga tactgcataa aacattgatg 600
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 tcagtgaagc atttggggst gctagctctg cctatgggtg aggtcagcta tctcacgcca 720
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 tttt 844

<210> 97
 <211> 1985
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (332)
 <223> n equals a,t,g, or c

<400> 97
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 aaaggagatc agggatgaat atgtggagac gctgagcaag atttacctgt cttactaccg 120
 ctcttacctg gggcggtca tgaagggtgca gtatgaggaa gtgctgaga aagatgatct 180
 aatgggtgtg gaagatacag caaagaaagg attctyctca aagccatcgc tccgcagcag 240
 gaacaccatt ttcaccctag gaaccgcgg ctctgtcatc tccccactg aacttgaggc 300
 ccccatcctg gtgcctcaca cagcgcagcg gnagagcaga ggtatccatt tgaggccctc 360
 ttccgcagcc agcactacgs cctcctagac aattcctgcc gcgaatacct tttcatctgt 420
 gaattttttg ttgtgtctgg ccagytgca cacgacctgt tccatgctgt catgggccgt 480
 aactcagca tgacctgaa acacctggat tcttatctag ctgactgcta cgatgccatt 540
 gctgtttttc tctgtatcca cattgttctc cggttccgta acattgcagc aaagagggat 600
 gttcctgccc tggacaggta ctggggaaca ggtgcttgcc ttgctatggc cacggtttga 660
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 gttggatact cggccccact atatcacacg ccgctatgca gaggttctct ccgctcttgt 780
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 tttgattgag cgtggacagg ctgagcgact tcgaggggaa gaagcccggg taactcagct 1140
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cacccaaggc	ttgtttcttc	ccctgtaaaa	accactgcct	caatctctgg	ttcactcaac	1740
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actgcctctg	agtcattgtg	tttttcaaag	tgatttcttt	tctgtagctt	tttgacctaa	1860
gatctcagca	atttgaacac	taacctctcc	cctcctggct	caagaattac	cccgaagtca	1920
gtctgcagaa	aataaatatt	tagtatgaca	tgaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1980
aaaaa						1985

<210> 98
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<400> 98						
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atataaattg	ccatataata	ccagtgatga	cccttggtta	actgcataca	acttcttaca	120
gaagaatgat	ttgaatccta	tgtttctgga	tcaagtagct	aaatttatta	ttgataacac	180
aaaagggtcaa	atgttgggac	ttgggaatcc	cagcttttca	gatccattta	cagggtggtg	240
tcggtatgtt	ccgggctctt	cgggatcttc	taacacacta	cccacagcag	atcctttttac	300
aggtgctggg	cgttatgtac	cagggttctgc	aagtatggga	actaccatgg	ccggagttga	360
tccattttaca	gggaatagt	cctaccgatc	agctgcatct	aaaacaatga	atattttattt	420
ccctaaaaaa	gaggctgtca	catttgacca	agcaaaccct	acacaaatat	taggtaaact	480
gaaggaactt	aatggaactg	cacctgaaga	gaagaagtta	actgaggatg	acttgatact	540
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cattcttcgg	ttgtcaatta	aacaccccag	tgtgaatgag	aacttctgca	atgaaaagga	720
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catgatgtcc	cagagggaa	cactgatgtc	ccatgcaata	gaactgaaat	caggggagcaa	900
taagaacatt	cacattgctc	tggctacatt	ggccctgaac	tattctgttt	gttttcataa	960
agaccataac	attgaagggg	aagcccaatg	tttgtcacta	attagcacia	tcttggaagt	1020
agtacaagac	ctagaagcca	cttttagact	tcttggtggc	cttggaacac	ttatcagtga	1080
tgattcaaat	gctgtacaat	tagccaagtc	tttaggtggt	gatttctcaa	taaaaaagta	1140
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gacatgactg	ataacagata	attaaaaaaa	gagaatacgg	tggattaagt	aaaattttac	1320
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<210> 99
 <211> 1760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
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 <222> (39)
 <223> n equals a,t,g, or c

<220>
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 <222> (255)

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<400> 99

$\langle 210 \rangle$ 100

<211> 599

<212> DNA

<213> Homo sapiens

$\langle 400 \rangle$ 100

<210> 101

<211> 784

<212> DNA

<213> Homo sapiens

<400> 101
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cttcttccctg tcattgatcc agactaatac tctgggggtca gcctcatttc ttctctttct 180
cactttgcac atccacttgt caccaaack rggtcattct gcacccaaag taagtccttt 240
gattccctcca gttgttcatt agtaatgtct caartgtaat tttttctagt agttttcagc 300
ctgtctttcc kgccttcagt ctttaacttct ccagtacata kgccacattg ttgtcagcag 360
gatcawattt tatttaaaaa tactttacaw akgtttatkg ccaaatatta graaatacag 420
attcatggaa agaaaaatca ctgtcccaag gaggtcactg gcattggtgag gtttaaggggt 480
gatttttaatt tttaaaaaatg tatatttttt cctgtgtaga gtagtaaacac ccttgaaaac 540
acawtccctt gtaaagtctc taattctgta ctccgcatct agstgrtctc ttctttctca 600
gatattttac aatttcatat atcaccacct ttctctagcc ttaccctgct tcttcaatat 660
twacatatgc agaagtttct cctaacaaac acctgcctct gcctcagttc tgctaccacc 720
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tcga 784

<210> 102
<211> 404
<212> DNA
<213> Homo sapiens

<400> 102
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gaaattatca aatagtgtctg aacagaataa gatgttaacg ctgagttatt aggactggaa 120
ggctatgaaa agaacttgaa attgtcggaa tatgtgtctc cttcatgtca tattcaatag 180
aagtttctag ttttaagattg attttgtgtt ttcttaggca tttcaagtga caagcaaagt 240
aaatgtatat attatgtgat aaatcatgtt ttcaagaacg tcaaatttct ggactttttt 300
ctttcaattt ttaattttta aagttttttt ggtattaaaa aatctattca caagccaaaa 360
aatatataaa atatacagcg aaaagccaaa aaaaaaaaaa aaaa 404

<210> 103
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 103
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cctttgtggg aaargtctct gggcaagcac gtggtatttg gtctgctgct tgcttccctt 180
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<400> 105						
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ggattctgct	cgtgttccaa	atcatcgccct	ttctggtggg	aggcttgatt	gctccagggc	360

ccacaacggc	agtgtcctac	atgtcgggtga	aatgtgtgtga	tgcccgtgaag	aaccatcaca	420
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

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 <222> (6)
 <223> n equals a,t,g, or c

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<210> 108
 <211> 1907
 <212> DNA
 <213> Homo sapiens

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<400> 108
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<210> 109
 <211> 611
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (21)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (47)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (607)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (610)

<223> n equals a,t,g, or c

<400> 109

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cagaggggaa	ttttaagccc	ttctcatcac	ccaattggat	gtttttgctt	atagcaaatt	540
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<210> 110

<211> 2632

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2620)

<223> n equals a,t,g, or c

<400> 110

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 <211> 2249
 <212> DNA
 <213> Homo sapiens

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 <222> (1579)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (2226)
 <223> n equals a,t,g, or c

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<210> 112
<211> 2198
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (640)
<223> n equals a,t,g, or c
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<210> 113

<211> 1043

<212> DNA

<213> Homo sapiens

<400> 113

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<211> 703

<212> DNA

<213> Homo sapiens

<400> 114

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<210> 115
 <211> 3684
 <212> DNA
 <213> Homo sapiens

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 <222> (79)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2297)
 <223> n equals a,t,g, or c

<220>
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 <222> (3679)
 <223> n equals a,t,g, or c

<400> 115						
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<210> 116

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1136)

<223> n equals a,t,g, or c

<400> 116

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<210> 117

<211> 503

<212> DNA

<213> Homo sapiens

<400> 117

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<210> 118

<211> 1071

<212> DNA

0933767 082201

<213> Homo sapiens

<400> 118

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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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ccgtgttgc	tttgacactg	ttttagtaaa	cccgttttct	attttaaaaa	aaaaaaaaaa	1080
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<210> 120

<211> 282

<212> DNA

<213> Homo sapiens

<400> 120

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accttatctt	tgcaatatgt	tcggggccac	cttccactcc	ttggttcttg	ttcctccttg	180
gcctaacttg	tcccttctcc	acttcacatc	cccgttgga	cagcattcct	ccttcctccc	240
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<210> 121

<211> 2635

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2605)

<223> n equals a,t,g, or c

<400> 121

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cactctgaga	ccatgatctt	cctcctgcca	ggggagagcc	accacaggc	catgtccagc	180
cccacttccc	tcagccccc	gggyttcctt	ctggccctc	tgaggattcc	ctagggctgc	240
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yttttgtttg	tttggtgctg	ttttcccca	cccatccagt	ttcctcagc	aaagcaaatt	480
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caccaaaaaa	aaaaaaaaaa	accnnggggg	ggggccggta	acccatttcg	cctaa	2635

<210> 122
 <211> 994
 <212> DNA
 <213> Homo sapiens

<400> 122						
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scaagaggtg	aaacaagatg	tgagagacaa	ggggtagggg	agaaatgggg	cagcgggttag	180
gttcagaagc	gcatagaccg	tggcggacgg	gcaatgcgag	gggcacagaa	aggaaactgag	240
gggtgggcta	ttttaargga	gatggctcct	cagccctcct	yttttctgcg	tagttctcct	300
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aaaaaaaaaa	aaaaaaaaaa	aaaaagggga	gggg			994

<210> 123
 <211> 2537
 <212> DNA
 <213> Homo sapiens

<400> 123						
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caggagagccg	gccgggaagc	gcgatggggg	ccccagccgc	ctcgtcctcg	ctcctgctcc	180

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<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

<400> 124

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ctcgtcatgg	tggcgcctgt	gtggtacttg	gtagcggcgg	ctctgctagt	cggctttatc	180
ctcttcctga	ctcgcagccg	gggcccggcg	gcacagccg	gccaagagcc	actgcacaat	240
gaggagctgg	caggagcagg	ccgggtggcc	cagcctgggc	ccctggagcc	tgaggagccg	300
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cgagcccagc	gggtggcctg	ggcagaagca	gatgagaacg	aggaggaagc	tgatcatccta	420
gcccaggagg	aggaaggtgt	cgagaagcca	gcggaaaaytc	acctgtcggg	gaaaattgga	480
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gaggctgaac	gtgargwgcg	gaaacgactc	gagtcccagc	gcgaatgagt	ggaagaagga	600
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aaaaactcga						1390

<210> 125

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1286)

<223> n equals a,t,g, or c

<400> 125

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ctgctcctgc	tgctgcagct	gcccgcgcgc	tcgagcgcct	ctgagatccc	caagggggaag	240
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tgggatccca	ggtcgggatg	gattcaaaag	agaaaaaggg	gaatgtctga	gggaaagctt	420
tgaggagctc	tggaacacca	actacaagca	gtgttcattg	agttcattga	attatggcat	480
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caaagctaaa	tatgtttaca	gaccaaagtg	tgattttcaca	tgttttttaa	tctagcatta	1020
ttcatttttg	ttcaatcaaa	agtggtttca	atattttttt	tagttgggtta	gaatactttc	1080
ttcatagtca	cattctctca	acctataatt	tgggaatatt	gttggtggtct	tttgtttttt	1140

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ctcttagtat agcattttta aaaaaatata aaagctacca atctttgtac aatttgtaaa 1200
tgtaagaat tttttttata tctgttaa ataaattatt tccmacaacc ttaaaaaaaa 1260
aaaaaaaaa aaaaaaaaaa aaaaanaa 1288

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<210> 126
<211> 1517
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (159)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1123)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1510)
<223> n equals a,t,g, or c

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<400> 126
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taaattaacc atgtattcct gcaataaatg tcacttgtn tttgtatata atctttttta 180
tatattaccg gattgattca ttagtatttt gttaggaggt tttgtgtcta tattcataag 240
agatgctggg ctgcagtttt ctttttttgt gataatctgg tttttgtatc agtaatacag 300
gccccatgaa acgagttggg aagtgttcac ctctcttgta ttttttcaag agtttgtgaa 360
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tcagattttg cttcttcctg agttagtttt ggtaatttgt gtatctctag gartttgtcc 540
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taaattagga atgtagtttt tgtaacagct cctgagtcct aggcagtcac agcagycaag 720
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caggggtgtc taatcttttg gcttccctgg gcacattgaa agaagaagaa ttgtcttggg 1440
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gcaaaaaaag cccaaaaa 1517

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<210> 127
<211> 1073
<212> DNA
<213> Homo sapiens

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09033767.032001

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<220>
<221> SITE
<222> (1152)
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<223> n equals a,t,g, or c

<400> 129

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ctcttttgc	tttcccttcc	ttcctgggtac	cccctgcca	ttcctgtatt	ttctcccatc	180
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<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

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gctgcaatga	gcatgtatta	ctttcatagt	tataaaacac	atgcaaatg	ccctttttaa	240
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tgtttactct	caatagtatg	tgtttgccct	tgtctttttg	agacattttg	ttttaatctg	360
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<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

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 <221> SITE
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (852)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (859)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

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gaaatgtatt	tttgcattgt	ttgatcttaa	actttttgtg	tctttatata	agggtatgcty	240
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atattttacat	gtaatgtaat	ttttgatgca	tattacgtct	tattatttaa	ccaacctatt	360
ttattttatc	tagggcattt	ttcagaaagc	cttattttct	tgtattaatc	aaatattttt	420
aycattgtat	tttccyctat	tagttagkaa	tacgktacyc	yaaatatata	ttgtggstat	480
tttcagaatt	gcaatatgcc	tccttaattt	attagaggct	aacctaaatt	attactttta	540
ccacttactt	gaaaattctg	gaactttaga	acattttattg	ttttatgcat	tttaattcta	600
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gcttctatca	tttckgktga	gaaatcaatt	gtcagcccaa	tagtttttca	ttttaaatta	960
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<210> 133
 <211> 1720
 <212> DNA
 <213> Homo sapiens

<400> 133

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gttattatgg	acttaaaact	gtgttaaagt	gatattctga	taaaatattt	gctgctctgt	300
agagtgtgga	aaatctgaga	atattagctt	tactcatctt	gagctttgag	gatgttctct	360
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<210> 134
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (349)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<400> 134

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gtggaatcac	agacactcct	agaggagaat	gctgttcaag	gaacagaaacg	tactcttgga	180
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actccgtatt	tgaacacctc	taacagagaa	gtaaaggtat	acgtttgtna	aatctgggaa	360
gacttgactg	ctattccatt	ttgggtatca	tatgtacctt	gatgaagang	attaggttgg	420
gataacttcaa	gtgaagcctc	ccactggaaa	caagctgcag	ttgtttttaga	taatcccatc	480
caggttgaaa	tgggagagga	acttgacttc	agcattcagc	atcacaaaag	caatgtcagc	540
atcacagtaa	agcaatgaag	agcagttttc	caatgaaaac	tgtgtaaata	gagcatcaac	600

<400> 137
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aacccgacag actcaggctc crgcagcttc cctggagcag tcctctccat ccytgggaca 720
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a 1021

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<210> 138
<211> 1777
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (661)
<223> n equals a,t,g, or c

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<400> 138
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tagctcactg cagccttgaa ctctggggct caggcaatcc tctacctta gcctcctgag 180
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attcctgcct catcatcttt tctcattgat gctccttaat gtcaaaggaa tctctctctc 540
tcacacacac ataagaccaa aacaaatata ttgaacatgc aaaaaaatag tctacgcttt 600
tgaatagtgt gcactgttga atagtgtgca ctggttgata gtgtgactgt ttgaagtgtg 660
natgtgccta aggcaacagg atcttgggaa agctctagat ttttggcytc gaaataaaac 720
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F002280" / 9455550

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gtgggagagc	atcctgccc	cagtcggaat	ccatggtgaa	cagctggatg	tcctgtggat	1020
tccagtacag	gccgactgct	gagttgtaga	caagagacca	gacatagggg	ataaaaaact	1080
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<210> 139
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 139	
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cgcccaactgt	gacgatgtca
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ggcggatgac	aatggtcctc
cctcgaatgg	acacattacc
agcctccttg	gggtgtcttt
ttctccttgc	cagtttctcc
ttttggtagg	cacgctcagt
cgggggatcc	actagttcta
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agtgaagggg	catttcttgt
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cagcaggacc	ctcttcttgt
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aatgagaaaa	taactttatt
ctggaactgc	ttcttggtgc
cttgctcaga	ggccggcact
gcagggggac	aggtgtacag
gatgtagtgc	agatagtctc
ccacgccaga	gaggatccgc
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agc	

<210> 140
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (404)
 <223> n equals a,t,g, or c

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gagtagctgg	gattacacgt
agacggggct	tcaccagggt
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tgtttgtttt	taaaagatgg
atctcggctc	accgcaatct
caaagtgtg	gaattacagg
agaggtgggg	tttcacaacg
atcttgcctc	tgctccttag
gcccaccacc	acgcccgaact
gtcttgggaa	tccttgacytc
cgtcttgtgt	tttttgtttt
ggctggaktg	caatggcacr
ggctcaagca	attnttctgc
catgcccaac	caattttcsg
tggytcaaaa	ctcaaaytcc
aatggcacga	
tcagcctccc	
tttttagtag	
gtgatccacc	
tttttgtttt	
ccagcctcc	
taytcytagt	
tgacytcagg	

tgatctgccc	actttggcyt	cccgaaatgc	tgagactaga	ggcgcgagcc	accacgcctg	600
gcctacaaac	acattcttgt	ttgggttttt	atataaaaata	tgagcacaaa	aatactttcc	660
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<210> 141
 <211> 721
 <212> DNA
 <213> Homo sapiens

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 <222> (623)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (626)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (638)
 <223> n equals a,t,g, or c

<400> 141						
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tcaacagtgc	tgcaagagga	tggttattta	acgctggccc	ccaaggagga	aaggcacaga	180
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a						721

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 <211> 1468
 <212> DNA
 <213> Homo sapiens

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 <222> (901)

00993767.032301

<223> n equals a,t,g, or c

<400> 142

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aaaattctaa	tataaagcat	ttcaatagga	tgcataggta	tattacgttt	tttaaatgct	240
ttagatctgt	gattcttgac	ttactattta	ttttatcccc	tttaagtcat	ggatgcttta	300
ttctatttta	aagcacttat	gagttacatg	ttgtaatcaa	gtttgcacaa	tatatattatc	360
tatatgagga	acccataaat	gaatagctaa	ttttttaa	gccattaaaa	tgcatgaaat	420
kcttattaaa	accttactat	actatttctt	caaggcaagt	aaattgacca	tgrgraaagr	480
acacagttat	taaacactgt	tgacaggaaa	attctccttg	ataacatagg	acaattaatg	540
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<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

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<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

<400> 143

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tctgttaatc	ttttgtattc	rcctatgctc	tcgtacattg	agtactttta	ttccaaaact	180
agtgggtttt	ctctactgga	aattttcaat	aaacctgtca	ttattgctta	ctttgattaa	240
aaaaaaaaa	aaaaaaaaa	aaacccnag	gggggggccc	ggtncccaat	cccccccaa	300

<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

0993767 062201

<220>
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 <222> (929)
 <223> n equals a,t,g, or c

<400> 144
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 ggcaatgttc cacggcttct ccttctctgg agctggctcc ataacttgat tttcccaaaa 240
 cgtgttgcaa tccctgctgc cccttagcca cccagggtct tgtgtgggta tgagtgtaga 300
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
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 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
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 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
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 tcattgtact tgaaaactgg aacanccttg gaatgccatg gggtttgata atctgccagg 300
 gacatgaaga ggctcagctt cctgggacca tgactttggc tcagctgatc ctgnacatgg 360
 gagaacaacc acatttttct ttgtgtgtgc ttctagcagc tgttcgggag gaccktgacc 420
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<210> 146
 <211> 4313
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1126)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
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09932767.082201
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<210> 147
 <211> 1183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1053)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

<400> 148						
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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<211> 2890
 <212> DNA
 <213> Homo sapiens

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aaaaaaaaaa

2890

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (90)
 <223> n equals a,t,g, or c

<220>
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 <222> (128)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <222> (2364)
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 gtttttaaaat gtctnattcc attggaaggg tntgttattt cattttgagc ccagagggga 300
 gaggcacatt ttaaataatca gaattagatt agctttgagt ttgtacaatt gggaacataa 360
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 <211> 802
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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<220>
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 <222> (777)
 <223> n equals a,t,g, or c

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 gaatagcgta gatataggaa ggcaggatgg ttatatggaa taaaaggcgg actgcatctg 360
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 tgtttaaact tactgtatat ttatgctttc tgtatttacc agctatttta aatgagctgt 660
 aactttctag taaagaattg aaaagcaa atcactactaa ggatacacag gataggataa 720
 agccaagtcn catcaacatt aaaaaatact aaaaananaaa acacaaaaaa aaaaaanccc 780
 gggggggggc cggaacccat tc 802

<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (437)
 <223> n equals a,t,g, or c

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 gaccacacag gtgggaacaa ggacaggggg atttaagcag tcaaaaggaa aaacatgtta 360
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 aagcacttat ttggcwnaaa aaaaaaaaaa aaaaaaaaaa c 461

<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154
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<210> 155

<211> 642

<212> DNA

<213> Homo sapiens

<400> 155

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tccgtgagta	ttccaaaata	tatttaataa	tggaatatct	gcattaatat	accatccatg	240
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agaagcctta	tttgtgattt	tgggagtggga	agcttccatt	tttgtgtcaa	aaatgaatcc	360
tgattcttat	ggaaatctct	gttattaaga	tatttcaaga	tgagacaaca	ctgaagatca	420
aattgtgttt	agtatcacta	tcttctctcc	tctgttctct	cttactctct	atcctcccag	480
aatctacagg	tttatggtag	aaagatggga	accttatttg	aatgtgtttt	tttttttcca	540
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<210> 156

<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156
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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157
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 ccgcttgagc atgtcccaga atgtgtcctt ggtcactgct gaactgagca aggacgccc 300
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<210> 158

<211> 1625

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1066)

<223> n equals a,t,g, or c

<400> 158

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catggggaggc	tgagaaaaat	gaggggagat	ggaaccagat	acaaggagat	ccaataagag	180
aagcttattt	aaatattgtg	aaataaagga	agamccaaag	cattttttta	agtggggaat	240
ccttttgaac	agttattatt	tatccatatt	attaayaaca	tcttttctga	caaaatccat	300
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gttcatgtcc	gtgttccaga	attgtgaaat	gggtgtgtgg	tttgctttcc	aagttcttct	420
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<210> 159
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1044)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1670)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1678)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1683)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1684)
 <223> n equals a,t,g, or c

<400> 159						
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acatctctgg	atagtgacct	ggatccagag	gagctggcag	gagtcagggg	acatcagggg	180
ctaagggacc	aaaagcgtat	gcgacttact	gaagtgcag	atgataaaga	ggaggaggag	240
gaggagaatc	cactgctggt	accactggag	gaaaaggcag	tactgcagga	agaacaagcc	300

aacctgtggt tctcaaaggg cagcttttgc ggnatcgag gacgatgccg atgaaggccc 360
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<210> 160
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1793)
 <223> n equals a,t,g, or c

<220>
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 <222> (1834)
 <223> n equals a,t,g, or c

<400> 160
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cttctacttc aggtgtgcc ggcctttcta gtttgcagtc tgaccagct ggctgtgtga 420
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<210> 161
<211> 770
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (744)
<223> n equals a,t,g, or c

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<400> 161
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caattaaacc tcttttctct ataaattatc cagtcttata tatttcttca tagcagtgtg 240
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ggtatctggc agaagaaata tctaagcggc aaaaccttcm agaggaagca gaggcataaac 720
gtttgaaaaa tttgcagcct gacnatggga gaccaaagtt aaaccaatt 770

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<210> 162
<211> 519
<212> DNA
<213> Homo sapiens

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<400> 162
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ccgtgtgaca aggtgtcctc tctgagcctc agtcacacac tgccctaacg gttgggcctc 180
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catgctgaat aggataatgg tggcctcctt tggcgctgtg ctggtgcagg tgtgccgagg 300
aaytgggcag gggtgacaga tacctcttct aacctagtct ctttccaaga acctaattgg 360
tgtctctccc tccccaggc aattggaagg aggaggctgg gccccagccc cagaatacgg 420
gaggtttctc accgtggtag ggaaattgct gggttggggg tgtgggcaac cacagtgatc 480
gtctctctgc aggacggatg aggctttgct gacagaggc 519

<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

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<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

102280" / 92EE660

<400> 164

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<210> 165
 <211> 2153
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (1670)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2134)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2135)

<223> n equals a,t,g, or c

<400> 165

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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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ccatgggctc	cgttttctct	ccgagcattt	ctcatgccc	tacatgttta	ttctgggaatt	540
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<210> 167
 <211> 882
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (752)
 <223> n equals a,t,g, or c

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gcaccgcgtg	gcgctaccgc	gacccgytgc	gntcccgcgc	gagcacgtgc	acaacgccag	780
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<210> 168
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (161)
 <223> n equals a,t,g, or c

<400> 168						
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<210> 169

<211> 1258

<212> DNA

<213> Homo sapiens

<400> 169

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<210> 170

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 170

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102280 " 092280

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<210> 171
<211> 2003
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1961)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1999)
<223> n equals a,t,g, or c

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<210> 172

<211> 786

<212> DNA

<213> Homo sapiens

<400> 172

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<210> 173

<211> 1758

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1369

<212> DNA

<213> Homo sapiens

<400> 174

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<210> 175

<211> 2379

<212> DNA

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

09933767-082201

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

<400> 177
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 ga 1502

<210> 178
 <211> 1637
 <212> DNA
 <213> Homo sapiens

<400> 178
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<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<211> 519

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<213> Homo sapiens

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<211> 1128

<212> DNA

<213> Homo sapiens

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<211> 2276

<212> DNA

<213> Homo sapiens

<400> 183

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<211> 941

<212> DNA

<213> Homo sapiens

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<211> 678

<212> DNA

<213> Homo sapiens

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<220>  
<221> SITE  
<222> (145)  
<223> n equals a,t,g, or c
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<210> 191
<211> 1941
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE

<222> (1414)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1427)
 <223> n equals a,t,g, or c

<400> 191
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 attctggcca caccctt cagccgctg gagaagtgt atagcactat ggtgcgcttc 180
 ctcagtgaac gaaagaaccc ggtgtgccg agatggctgt ggtactgctg gccaacctgg 240
 ctcaggggga cagcctggca gctcgtgcc ttgcagtga gaagggcagt atcggcaacc 300
 tcctgggctt cctagaggac agccttgccg ccacacagtt ccagcagagc caggccagcc 360
 tcctccacat gcagaaccca ccttttgagc caaytagtgt ggacatgat cggcgggctg 420
 ccgcgcgct gcttgcttg gccaaggtgg acgagaacca ctcagagttt actctgtacg 480
 aatcacggct gttggacatc tcggtatcac cgttgatgaa ctcaktggtt tcacaagtca 540
 tttgtgatgt actgtttttg nattggccag tcatgacagc cgtgggacac ccccccccc 600
 cgtgtgtgtg tgcgtgtgtg gagaacttag aaactgactg ttgcccttta tttatgcaaa 660
 accacctcag aatccagttt accctgtgct gtccagcttc tcccttgga aaaagtctct 720
 cctgtttctc tctctctct ccacctccc tccctccat accctcacgc tttctgttcc 780
 ttgtcctcac cttactccc tcaggacct accccacct ctttgaaaag acaaagctct 840
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 gccagaagt tcgcagttgt gaacagaccc tgttcactgg agaggcctgt gcagtagagt 1140
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 cttgctgtct cagcagccaa tcaacttata gtttattttt ttctgggttt ttgttttgtt 1680
 ttgttttctt tctaactcgag gtgtgaaaaa gttctaggtt cagttgaagt tctgatgaag 1740
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 taaaacttga tgtaaatcc tcttttttt ccttttttgg cttaatgaat atcatttatt 1860
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 ggtaagactt taaaaaaaaa a 1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

09933767.1082201

<220>
 <221> SITE
 <222> (1324)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1643)
 <223> n equals a,t,g, or c

<400> 192
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 tggatatggt ggggtagagt gcttctggtg tgttcacttt aagaaaacat ctgccaagag 180
 agaagagtgc ccaggaaaga ccaggaaaat acaagtacat ggctgcttca taccatatac 240
 cccaattctt taaagcagca aaaggcactt tttttttcag gccagagtga atctaaaaca 300
 aacctggctt tgcttacagg gaagctgtcc cagaaggact gagtgatgcc tcttggtccc 360
 taaggctctg agagtctttg caagtttcca acgacatttc caaccagggtg ggagagacca 420
 gcagttgacg agacaagtca gacccaaaaa acgacgccaa ggtagtgagt ggggtgcctat 480
 ttgggagtag gatgatttga ggaaaacagg aagaaaaacc ggtagaaaag tggcactttg 540
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 aaagtaaaat tcaggatctt agaagctcat cttctctgat agaactattt ttttttccgt 660
 gaaggaacta ttattacttt aaaagtgagg gtaatttaca tatgggggtg atatatctta 720
 aaaatagtaa taaaagtacc ttttataagc aatgttgtgt ggcttgtaga agaaagcagg 780
 gaggaaaaaa aggcaggcaa aactagtcta ggtctaggcc ctaaaaatga gcttccttcc 840
 cacttgactg gaaacgccca tgtgatttct aggctgaaaa taggtaggat ttaacgagta 900
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 catcccatgt tccagttcac cttctatggg gtgactarga ggttcccggg aactagggca 1140
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 ccaggagggt ggcagagagc ccatccaaaa gccactggg agaggcataa gattctgtgc 1260
 caggccccc ggtccctct gtgtcaggta ggctctgcta ctggcctctg aagtaaaggc 1320
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 tgatgccagc tcaaagtctt tgaaagtaga ggctgccgtc ctctcagctt gctgttgggc 1740
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 aagtcagaca ggacatgcc aaaccagggtg atgagccagc tgaggggcaa gatggctcct 2040
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 agatagttta atatatgc 2118

<210> 193
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)

09933767.032204

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<400> 193

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ggccaaggcc	gctctgtcgg	cggccgnagc	tggagccttc	tcgccagcgt	cgaccacgac	180
gacgcggagg	cacctctcgt	cccgaaccg	accagagggc	aaagtgttgg	agacagttgg	240
tgtgtttgag	gtgccaaaac	agaatggaaa	atatgagacc	gggcagcttt	tccttcatag	300
catttttggc	taccgagggt	tcgtcctgtt	tccttggcag	gccagactgt	rtgaccggga	360
tgtggcttct	gcagctccag	aaaaagcaga	gaaccctgct	ggccatgggt	ccaaggagggt	420
gaaaggcaaa	actcacactt	actatcaggt	gctgattgat	gctcgtgact	gcccacatat	480
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cagtgggcac	atgtggggca	cgttccgctt	tgaaagacct	gatggctccc	actttgatgt	1080
tcggattcct	cccttctccc	tggaaagcaa	taaagatgag	aagacaccac	cctcaggcct	1140
tcactggtag	gccagctgag	gccccaaagt	cccaggcttg	gtcaccggga	agaacaactc	1200
tcateccaca	attgctgcag	aactcttctc	tccccatcat	gggccacagt	gggtctctta	1260
atttgattgt	ggggttcttt	ttgtggggag	gggtggtata	acttttcttc	agaagaccca	1320
tgtgggacac	ctccaaggct	ggcctcctca	taagccctgc	ctacaccatg	ttccagtaaa	1380
cctctccacc	aaggaactgt	gttcagctgc	cacaggcctg	gaggagtttc	ctggcctgtc	1440
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<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

0993767.082801

<222> (438)

<223> n equals a,t,g, or c

<400> 194

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ttgccctgaa	ggagcagagg	gatgcatcgc	tggaggtgac	ctacagttga	agaagactca	180
ttatgacaga	ccttgtcctt	cttccttggtg	gaaagtgttt	cctctgctgc	tactgctcat	240
gagactcttc	ccctccctg	tcccaggga	ccaaagggct	ttntaccac	accctttctt	300
ngccccccgc	ctcccatgtc	tgtgtgcct	ttgtactcag	caattcttng	tttgctccca	360
ttatcttcca	gccggataca	gagtgaatag	ttaaccacac	ttaggtcaaa	taggatctaa	420
atTTTTgttc	ctgctccngt	gtaaagaggc	cagtgtttgt	gtgttgcaag	cagccttgga	480
atagtaactc	ttctcatttg	tttgggatct	ggccamcaag	ttccagaatg	atacacggat	540
cagtgcagaa	gttcatcagg	ctctcggacc	ttagggctgt	tggagaaggc	ttcagcagca	600
gaactgatgg	tkawkgytcg	tgttctccat	cctcaacttt	ctttgcttcg	atcatacaca	660
agaatacatt	tggaagggca	aaaaatgaac	actgttgctc	attgcagccg	tgttttgtga	720
cacagatgca	cagtctgctg	tgaagacctt	ctctcaagtg	gsatytgga	gtccatgcca	780
gatcatgggtg	cttcatgaga	gactgacagc	tatcaggggt	tgtggcactt	agtgaggact	840
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gttcttttta	ctctgtagcc	aacatacaca	tgatttaaaa	ccctttctaa	atatctatca	960
tggttcatcc	ttgtccaaat	gcagagtcag	agctatttgt	acttcattat	tatttccaag	1020
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aaaaaaaaaa	ctacgtag					1098

<210> 195

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 195

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gtgagcacta	attgttccag	tgattgttta	tttattggct	aggacataat	tactctcttt	180
gaggttacac	atctgcctcc	aggttcctgt	gtgcttgctg	ccttgggatc	aggccagggc	240
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taaatgatca	caaaggtaaa	tgagtaaagg	gctcagcaga	tgagtaagga	gccttgctct	480
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tcatgtacat	aatcatgctt	taaaatatgt	acattatgga	atggctaaat	caaactaacc	720
taggcattat	ctcatataat	tgtcattttt	gtggcgagaa	gactaaaaat	ctaccctttc	780
agcattttta	aagaatacaa	tgtgttttat	taacaacagt	caccatttgg	tacactagat	840
ctcttgaact	tcttcctctt	atctaactga	gatcttgtaa	cctttgataa	cagctcccaa	900
gcccttcccc	aaccactgct	ccaccctgtg	taaccaccat	tctattctca	acttctctgt	960
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<210> 196

<211> 1458

<212> DNA

<213> Homo sapiens

<400> 196

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cataagaaac	gatggtggcc	atattttgct	ttaataatgg	aaaaaatgtg	gttagcattc	120

09933767.082201

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ggaaatgtgt	actacttttag	atattatttaa	tggcagctaa	ctcagaggca	tcaaaatgtg	240
ctaattggtgt	aatatggcct	ttgtccttgct	gttctgtttt	gtaggccttc	aatcaagcag	300
ggcagggccg	tacagtgaac	ttgtcctttg	ccagacgcca	gcgtctgccc	ctgaccccgt	360
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tctccttcca	gaaaccacct	accggtgagt	gcaagggagt	agaaatctgc	atcagcacat	600
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actaattaaa	tgccaggtaa	ccgttgaaat	tatcaaaaac	atcttccacg	taccagaaag	1140
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gaatgcagca	taaataat	aattcagtg	taaatgccaa	ggctagtata	ttgagctgaa	1320
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<210> 197
 <211> 1282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (675)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1195)
 <223> n equals a,t,g, or c

<400> 197						
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tctaccacca	cctactgaca	aagaacatgg	tgctatctgg	catgggagaa	atgttcagtt	180
tgctatggct	tgtatgtgtc	ccctcaaatt	caagtgttgc	caatgtgaca	gcatcaagag	240
gtgggggtctt	taagagatca	ctaggccatg	agggattctc	ttaggactgg	gatgaaggcc	300
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cagcacaaaa	tgaagatacc	atacctgaac	acctgaacat	tcttcacaag	gtagtaaattg	540
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agggcatag	atgacaag	tactgctaga	cctctcacaa	tgccactaat	ggataagatt	660
gtatttttcat	cattnccttg	ctcttcggaa	gctaacaaca	tgctataata	ggcactaaa	720
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taatgggtact	accactctca	aatttataat	gtcatcttac	gttcctcttc	ctcgatttgg	900
atattattgct	aaaacctgg	aaacacttta	atccytttca	attccattac	cactgctctt	960
gtccagaatt	actcgcagac	taatagtcac	ctgacttctc	cccctgcac	ccgatttgc	1020

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<210> 198
<211> 951
<212> DNA
<213> Homo sapiens
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<210> 199
<211> 1740
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (1736)  
<223> n equals a,t,g, or c
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<400>	199								
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atgctggcgt	ctccgttgtt	actggttcag	ggttcttgcc	ccagccctgt	caggaccccc				180
tgtgtttccg	agccccccac	cctcccgcag	caagcagetg	atgccccagt	gattctctat				240
acatttttca	cctcgcccaa	tatgtccagg	aaaactgctt	actttctctt	tcttgctctg				300
agccttcatt	gttcaccctt	acgttgcaat	ataggaatta	atqctacaaa	ataaaagtaa				360

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accagcaaag	catcaaaact	ctcaattctc	ctgttaccra	atgcagatct	gaattataag	480
atgtttatgt	ttgaccattg	tttcaacaat	gggattttgt	tacgaattat	ccctttaact	540
gaaaccctca	gttttactgt	ttacattatt	aggaaaacag	ggatatcttt	tgaatctaaa	600
aatttgatgt	acagcatgtg	atttttgaag	ttacatgtga	aagtcacagt	ataggtgaaa	660
taacgtttgt	catattttga	gacgtatcct	gcagccatgt	ttttacgtga	gtgttttagt	720
caaagtacat	ggtagacagt	ctttcacaa	aaaaggaaaa	ggattttttt	tcctccaaat	780
gtacatttat	caacctaatg	attgattttt	ttaaaaagag	atttcgcccc	agtctggttt	840
atgaaagtgc	attgccttaa	actgtgctga	ttgtttttta	tcaagttata	aatttccaac	900
ctagatcatg	tatctaccaa	ctctcctgca	ttttccaaaa	ggcattgagc	ttaaatatta	960
gtcttgctta	gagtaggtta	tccactttaca	tgctgcgcta	aagccatgcc	tttgaaactc	1020
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<211> 1707

<212> DNA

<213> Homo sapiens

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<211> 2465
<212> DNA
<213> Homo sapiens

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<211> 1480
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<222> (847)
<223> n equals a,t,g, or c

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<222> (856)
<223> n equals a,t,g, or c

<220>
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<222> (872)
<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<220>

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 <223> n equals a,t,g, or c

<400> 210

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<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (200)
 <223> n equals a,t,g, or c

<400> 211

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agaatcgccc	catgttgctg	gaacacctca	cgtgttgctg	acgccttaaa	ttcctgccat	600
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<210> 212
 <211> 1551
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1017)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1408)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1423)
 <223> n equals a,t,g, or c

<400> 212						
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0993767 082201


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<210> 213
<211> 997
<212> DNA
<213> Homo sapiens

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<400> 213
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tagcccaagc taagtcagggt ggaaaggcag aaatatattg agaagartca tttctacaaa 180
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<210> 214
<211> 1496
<212> DNA
<213> Homo sapiens

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<220>
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<222> (450)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (451)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (454)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1485)

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F02280" 1976560

<223> n equals a,t,g, or c

<400> 215

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aaaaaaaaag	aaacgtttat	catgaatcaa	caggggttca	gtccttatca	aagagagatg	180
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tactctttta	agtttagccc	caatataggg	taatggaaat	ttcctgccc	ctgggttccc	600
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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

<400> 216

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tcgagatctg	tggtgaccat	ggctgggttg	acatgttgat	cgacatcgcc	cgcaaactgg	240
acaaggctga	gcgcgagccc	ctgctgctgt	gcgctaccta	cctcaagaag	ctggacagcc	300
ctggctatgc	tgctgagacc	tacctgaaga	tgggtgacct	caagtccctg	gtgcagctgc	360
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 <211> 999
 <212> DNA
 <213> Homo sapiens

<400> 217						
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<210> 218
 <211> 941
 <212> DNA
 <213> Homo sapiens

<400> 218						
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<210> 219

<211> 575

<212> DNA

<213> Homo sapiens

<400> 219

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<210> 220

<211> 3018

<212> DNA

<213> Homo sapiens

<400> 220

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<210> 221

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 221

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 tttttaaagg ctgagaaatt ttccttatac ctaccttttc agttatttta attataccaa 180
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<210> 222
 <211> 968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (954)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (961)
 <223> n equals a,t,g, or c

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aatagaagt	ttgcatcgtc	cagaaaactg	ctctaagaca	agcaagaagg	gagacctact	240
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ctgtacttta	tgtatwaaac	aaagtcmttt	ttctccmagt	tgkatttgct	atttttcccc	840
tatgagaaga	tattttgatc	tccccataac	attgattttg	gtataataaa	tgtgaggctg	900
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natatgat						968

<210> 223
 <211> 1404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1351)

<223> n equals a,t,g, or c

<400> 223

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<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

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<210> 225
<211> 1384
<212> DNA
<213> Homo sapiens
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<210> 226
<211> 774
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 227
<211> 865
<212> DNA
<213> Homo sapiens
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aaaaaaaaaa	aaaaaaaaaa	aaaaa					865

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<220>  
<221> SITE  
<222> (462)  
<223> n equals a,t,g, or c
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<400> 228
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caqaqqqtgtg qqacatatta cqqqcqqqqa tccctcttqg aqtgaqatga ctctccqqag    180

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agatttagtc gtcaccctcg cgtgtgaggc tgcgtcacac cccagggatg tgtctatcaa 240
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akgaaacttt ttatatgatt attatccatc ataatccaac acaaattact gcttcagtgt 360
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<210> 229
<211> 744
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (392)
<223> n equals a,t,g, or c

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<400> 229
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<210> 230
<211> 1935
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)
<223> n equals a,t,g, or c

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<220>
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 <222> (1921)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 230
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<220>
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<220>

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<210> 232
 <211> 2218
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA

0933767.082201

<213> Homo sapiens

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 2143

<212> DNA

093376.08201

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)

<223> n equals a,t,g, or c

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<221> SITE

<222> (2132)

<223> n equals a,t,g, or c

<400> 235

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2143

<210> 236
<211> 1133
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1133)
<223> n equals a,t,g, or c

<400> 236
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ccacacttca cttgaagcct tagaaacctt tcccacccat gcttccagcc ctggcttcat 180
gttgccattt ctcaccccca gaacaggccg cccgcctgaa gaaactacaa gagcaagaga 240
aacaacagaa agtggagttt cgtaaaagga tggagaagga ggtgtcagat ttcatccaag 300
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atgatgtggt ggaagtggct ggcctgacat ccttctcctt tggggaagat gatgactgtc 420
gctatgtcat gatcttcaaa aaggagtttg caccctcaga tgaagagcta gactcttacc 480
gtcgtggaga ggaatgggac ccccagaagg ctgaggagaa gcggaacntg aaggagctgg 540
cccagaggca angaggagga ggcagcccag caggggacctg tgggtggtgag ccctgccagc 600
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tacattcaat aaatactgtt taacccaaaa aaaaaaaaaa aaaagaaaga agn 1133

<210> 237
<211> 1025
<212> DNA
<213> Homo sapiens

<400> 237
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cccaggcctt cctccctctc ccatcagcag ccctgtaaca agtgccttgt gagaaaagct 180
ggagaagtga gggcagccag gttattctct ggaggttggt ggatgaaggg gtaccctagg 240
agatgtgaag tgtgggtttg gttaaggaaa tgcttaccat cccccacccc caaccaagtt 300
cttccagact aaagaattaa ggtaacatca atacctaggc ctgagaaata accccatcct 360
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<210> 238

<211> 1400

<212> DNA

<213> Homo sapiens

<400> 238

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ccttaatatg	caaagatgaa	aaacaagcat	tactgctacc	caaagggaac	tggtgcttgg	360
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gagttagttc	tgaggatggg	agtaataaag	gagttttttg	tttttttggt	tggttggttg	540
ttttggctcc	ttagtaatac	tctcttgaca	tttattttcta	ttattcttca	aagaaaggaa	600
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ataatattag	cttcaaacca	ataatatcca	gggttaaaaat	aaaaatcata	gtgaaagtac	1140
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aaaaaaaaaa	aaaaactcga					1400

<210> 239

<211> 1250

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 240
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<400> 240						
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acctgaatgt	tcctactaca	caaataaaca	tatattaaat	wctaaaaaaaa	aaaaaaaaaa	1260
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<210> 241
 <211> 888

00933767 082201

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 241
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 cccaggggac agtctcaaag gcaaatccac agagtgasmc accacctcgg gtagaatttg 180
 atgacaacaa tcccttttagt gaaagttttc aagaacggga acgtaaggaa cgtttacgag 240
 aacagcaaga gagacaacgg atccaactca tgcaggaggt agatagacaa agagctttgc 300
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<210> 242
 <211> 1811
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
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 <222> (16)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1810)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1811)
 <223> n equals a,t,g, or c

<400> 242
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<210> 243
<211> 2271
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2271)
<223> n equals a,t,g, or c

<400> 243

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<210> 244
 <211> 2500
 <212> DNA
 <213> Homo sapiens

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 <222> (2459)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2478)

<223> n equals a,t,g, or c

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catctgtgct	gcagaggaac	agccagcaga	agatgggcag	ggtgaaacta	acaagaacag	1620
gacaaaagga	ggatggcaac	agaagagtaa	aggacccaag	aaaactgcta	aatcaaaaaa	1680
aaagaaacct	ttaaaaaaa	aacctacacc	tgtgctatta	ccacagtcaa	agcaacagaa	1740
acaaaagcag	gcaaatggag	tcgttgggaa	tgaagctgca	gtaaaggaag	atgaagaaga	1800
agtttcagat	aagggcagtg	attctgaaga	agaagaaacc	aatagagatt	cccaaagtga	1860
gaaagatgat	ggtagtgaca	gagactctga	tagagagcaa	gatgaaaaac	aaaacaaaga	1920
tgatgaagca	gagtggcaag	aattacaaca	aagcatacag	cgaaaagaga	gagctctatt	1980
ggaaaccaa	tcaaaaataa	cacatcctgt	gtatagcctt	tactttcctg	aggaaaaaca	2040
agaatggtgg	tggctttaca	ttgcagatag	gaaggagcag	acattaatat	ccatgccata	2100
tcattgtgtg	acgctgaaag	atacagagga	ggtagagctg	aagtttctctg	caccaggcaa	2160
gcctggaaat	tatcagtata	ctgtgtttct	gagatcagac	tcctatatgg	gtttggatca	2220
gattaaacca	ttggaagttk	ggaagtccat	gaggctgaag	cctgtgccag	aaaatcaccc	2280
acagtgggat	acagcaatag	aggggggatga	agaccaggag	gacagtgagg	gctttgaaga	2340
tagctttgag	ggagggaagag	ggaggaggga	aggaaggtgg	tggacttaag	gcagttactc	2400
tggaatggga	cccacagtg	tttgcacccat	attttgccaa	ttttttttgc	ccgtttttng	2460
gaagtgtttt	ccntnaancc	cagggaaccat	tacagaaccg			2500

<210> 245

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

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<221> SITE
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (867)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1338)
 <223> n equals a,t,g, or c

<400> 245

cttccgggttc	tccgggcagc	tgccactgct	gtagcttctg	ccacctgcca	cgaccggggcc	60
tctccctggc	gtttgggtcac	ctctgcttca	ttctccaccg	cgcctatggg	ccctcttggg	120
gccagcgtgg	cgngccctggc	ggctcccggg	tggtgagaga	gcggtccggg	aacgatgaag	180
gcctcgagtg	gctgctgctg	tctcagccac	ctcttggctt	ccgtcctcct	cctgctgttg	240
ctgectgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccagggt	300
yttgggcctc	ctgaccctag	accaggacat	taccgcccgt	gccaccgggc	cctwaccctt	360
gcccagcagc	cgggcccgtgg	tctggctgaa	gctgcggggg	ccgcgggggt	ccgagggagg	420
caatggcagc	aaccctgtgg	ccgggcttga	gacggacgat	cacggaggga	aggccgggga	480
argctcggtg	ggtggcggcc	ttgctgtgag	ccccaacctt	ggcgacaagc	ccatgaccca	540
gcgggcccctg	accgtgttga	tggtgggtgag	cggcgcggtg	ctggtgtact	tcgtgggtcag	600
gacggtcagg	atgagaagaa	gaaaccgaaa	gactaggaga	tatggagttt	tggaactaa	660
catagaaaat	atggaattga	cacctttaga	acaggatgat	gaggatgatg	acaacacgtt	720
gtttgatgcc	aatcatcctc	gaagataaga	atgtgccttt	tgatgaaaga	actttatctt	780
tctacaatga	agagtggat	ttctatgttt	aaggaataag	aagccactat	atcaatgttg	840
gggggggtatt	taagttacat	atattttnaac	aacctttaat	ttgctgttgc	aataaataacc	900
gtatccctttt	attatatctt	tatatgtata	gaagtactct	gttaatgggc	tcagagatgt	960
tggggataaa	gtatactgta	ataatttatc	tgtttgaaaa	ttactataaa	acggtgtttt	1020
ctgrtcgggtt	tttgtttcct	gcttaccata	tgattgtaaa	ttgttttatg	tattaatcag	1080
ttaatgctaa	ttatttttgc	tgatgtcata	tgttaaagag	ctataaattc	caacaaccaa	1140
ctggtgtgta	aaaataattt	aaaatytcct	ttactgaaag	gtatttccca	tttttgtggg	1200
gaaaagaagc	caaattttatt	acttttgtgt	gggggttttta	aaatattaag	aaatgtctaa	1260
gttattgttt	gcaaaacaat	aaatatgatt	ttaaattctc	ttaaaaaaaa	aaaaaaaaaac	1320
cccggggggg	ggcccggg					1338

<210> 246
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (651)
 <223> n equals a,t,g, or c

<400> 246

gaattcggca	cgaggcagct	tgtgctttta	aggaggtgtt	caaagcatgt	ctgagcagag	60
acttttgggc	tctgttttaa	tttaactttt	aaaataattc	atatttaaaa	tatcaratgt	120
ttccataaag	aggaggatgt	ttaaatgcct	ccagactaca	ttccttttta	ttsccttgatt	180
ttacctggga	gtccaaagtt	caattcccat	aaagcaagcg	ttttatttgt	cactttcaat	240
atacatccga	ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	300
gctcccaggg	cccagtgtag	aaggtgagag	attcgtgtaa	aatgattcaa	ataaaaggaa	360
gaccctggcc	gggtgccgta	rtcacgcct	gtaatcccag	cactttggga	ggccgaagcg	420

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agtggatgac	gaggtttagga	gttggagacc	agcctggcca	acatcgtgaa	accccgctctc	480
tactaaaaat	acaaaaatta	gccgggcatg	gtggcaggca	cctgtaatcc	tagctagttg	540
ggaggctgag	gcaggagaat	cgtttgaatc	tgggagttgg	aggttgtcag	tgagctgaga	600
tcgcgccaca	gcactccagc	ctgggtgaca	gggtgagact	ctgtctcaaa	naga	654

<210> 247
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (36)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<400> 247	
aaaaaaaaacc	caggggaacn ttggggggccg ctttnnnttc ccctccagg ccattggggga 60
attcttcaag	ttaatcctgc tttgctcttg gccaacaggg cttgtagggg ggagagaccc 120
aggatcatca	aggggttcga gtgcaagcct cactcccagc cctggcaggc agccctgttc 180
gagaagacgc	ggctactctg tggggcgacg ctcatcgccc ccagatggct cctgacagca 240
gcccactgcc	tcaagccccg ctacatagtt cacctggggc agcacaacct ccagaaggag 300
gagggctgtg	agcagacccg gacagccact gagtcccttc ccacccccg cttcaacaac 360
agcctcccca	acaaagacca cgcgaatgac atcatgctgg tgaagatggc atcgccagtc 420
tccatcacct	gggctgtgcg acccctcacc ctctcctcac gctgtgtcac tgctggcacc 480
agctgyctca	tttccggctg gggcagmacg tccagcccc agttacgcct gcctcacacc 540
ttgsgatgcg	ccaacatcac catcattgag caccagaagt gtgagaacgc ctacccccggc 600
aacatcacag	acaccatggg gtgtgccagc gtgcagggaag ggggcaagga ctccctgccag 660
ggtgactccg	ggggccctct ggtctgtaac cagtctcttc aaggcattat ctccctggggc 720
caggatccgt	gtgcatcac ccgaaagcct ggtgtctaca cgaaagtctg caaatatgtg 780
gactggatcc	aggagacgat gaagaacaat tagactggac ccaccacca cagcccatca 840
ccctccattt	ccacttggtg tttggttcct gttcactctg ttaataagaa accctaagcc 900
aagacccctc	acgaacattc tttgggcctc ctggactaca ggagatgctg tcacttaata 960
atcaacctgg	ggttcgaaat cagtgaagacc tggattcaaa ttctgccttg aaatatgtg 1020
actctgggaa	tgacaacacc tggtttgctc tctgttgat ccccgcccc aaagacagct 1080
cctggccata	tatcaaggtt tcaataaata tttgctaaat gaaaaaaaaa aaaaaaaaaa 1140
actcga	

<210> 248
 <211> 1443
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (907)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1288)
 <223> n equals a,t,g, or c

<400> 248
 ataaactgaa ataggtcatg caaatataaa atattatattt taaattatatt gtcataagaa 60
 acgatgggtg ccatattttg ctttaataat ggaaaaaatg tggtttagcat tctktggaag 120
 gtggtcatca gatagtagac attttctagg atttatttct acctgcatat gtggaaatgt 180
 gtactacttt agatttatwt aatggcagct aactcagagg catcaaaatg tgctaattggt 240
 gtaatatggc ctttgtcttg ctgtyctggt ttgtargcct tcaatcaagc argggcaggg 300
 ccgtacagtg aacttgctct ttgscagacg ccagcgtctg cccctgaccc cgtctccact 360
 ctctgtgtcc tggaggagga gcccttgat gcytaccctg attcaccttc tgcgtgcctt 420
 gtactgaact ggggaagagcc gtgcaataac ggatctgaaa tccttgctta caccattgat 480
 ctaggagaca ctagcattac cgtgggcaac accaccatgc atgttatgaa agatctcctt 540
 ccagaaacca cctaccggtg agtgcaaggg agtagaaatc tgcatacaga catcagcact 600
 tggggatcta agtaaacctc tcggggaaaa tgaccaagtg gatgtcatct cccagctggt 660
 tctaagagcc cagatgtcca gagtattgtc tcacctgat ccctcaggcc agaagacctg 720
 tgaaaaagcc acactgggtc agggactcac tggacgggtt tgtgtccact ytaacntgca 780
 ccgtctctac cccagagtgg actcaratcc tcaagtcac cctctgaacat tgrrgtcaga 840
 aattataaaa gggctttggc aatatgttag cccaagaatt tggcttcttc cagaaattgt 900
 gccgacntta acagtggctt aaatgatggt aaaactttta agatttctaa aaggrrtgga 960
 ttggagatac gttgactttt attaaacmac ctatagttgt ttaatgaytt ctaaaaaaat 1020
 atctggagct caggggttca actgagggaa cacatgttga gratcattgt ttactaatta 1080
 aatgccaggt aaccggttga aattatcaaa aacatcttcc acgtaccaga aagcacctca 1140
 gaggatagtt ctgttatgga gaagatgaaa tggtttagta gtgtaggaac tatggaaaagg 1200
 tgagcttaga tttggatagt aaaacctcaa gacctattt aaaaagtatt ttatgaatgc 1260
 agcataaata atttaattca gtgttaanat gccaaaggcta gtatatgtgag ctgaatgtga 1320
 aaagaaactc acattgggag aatgccacct ttctcttata agatagcttt gaagatacca 1380
 ttttagacag atggaaattg aatagcttta gaaaaggcaa atgtttgatc ttggggaaaa 1440
 aaa 1443

<210> 249
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 249
 Met Leu Ser Thr Gly Ile Glu Val Ala Arg Pro Pro Ala Thr Leu Leu
 1 5 10 15

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<210> 250
<211> 116
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (116)  
<223> Xaa equals stop translation
```

<400> 250
Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly
1 5 10 15

Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys
20 25 30

Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly
35 40 45

Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp
50 55 60

Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala
65 70 75 80

Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys
85 90 95

Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His
100 105 110

Tyr Phe Cys Xaa
115

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<210> 251
<211> 103
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (103)

<223> Xaa equals stop translation

<400> 251

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Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr
 1             5             10             15

Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser
          20             25             30

Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys
          35             40             45

Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala
          50             55             60

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
          65             70             75             80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
          85             90             95

His Ser Ser Asn Ile Cys Xaa
          100

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<210> 252

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252

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Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
 1             5             10             15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
          20             25             30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
          35             40

<210> 253
<211> 37

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<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 253
 Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
 20 25 30

Trp Ser Gln Trp Xaa
 35

<210> 254
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals stop translation

<400> 254
 Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu

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<210> 255
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals stop translation

<400> 255
Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
  1               5               10               15
Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
      20               25               30
Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
      35               40               45
Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
      50               55               60
Ser Thr Xaa
  65

```

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<210> 256
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals stop translation

<400> 256
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Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
 1 5 10 15
 Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
 20 25 30
 Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
 35 40 45
 Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
 50 55 60
 His Ala Phe Ala Xaa
 65

<210> 257
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 257
 Met Val Ser Val Val Leu Ile Phe Ser Phe Leu Ser Leu Thr Ile Ser
 1 5 10 15
 Thr Thr Ala Ser Ala Tyr Asn Gly Asn Asp Thr Gln Gly Trp Asn Asp
 20 25 30
 Lys Phe His Xaa Xaa Ser Val Lys Thr Gln Thr Xaa
 35 40

<210> 258
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 258

TO2280" 494EE660

Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1 5 10 15
 Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro
 20 25 30
 Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg
 35 40 45
 Gly Arg Xaa
 50

<210> 259
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 259
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
 1 5 10 15
 Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
 20 25 30
 Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
 35 40

<210> 260
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
 1 5 10 15
 Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
 20 25 30
 Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
 35 40 45
 Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
 50 55 60

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Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala
 1 5 10 15
 Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala
 20 25 30
 Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile
 35 40 45
 Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg
 50 55 60
 Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
 65 70 75 80
 Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
 85 90 95
 Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu
 100 105 110
 Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
 115 120 125
 Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
 130 135 140
 Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
 145 150 155 160
 Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
 165 170 175
 His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
 180 185 190
 Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
 195 200 205
 Gly Pro Xaa
 210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
 1 5 10 15
 Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu

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20					25					30					
Ile	Gln	Glu	Lys	Ala	Ile	Pro	Leu	Ala	Leu	Glu	Gly	Lys	Asp	Leu	Leu
		35					40					45			
Ala	Arg	Ala	Arg	Thr	Gly	Ser	Gly	Lys	Thr	Ala	Ala	Tyr	Ala	Ile	Pro
	50					55					60				
Met	Leu	Gln	Leu	Leu	Leu	His	Arg	Lys	Ala	Thr	Gly	Pro	Val	Val	Glu
	65					70					75				80
Gln	Ala	Val	Arg	Gly	Leu	Val	Leu	Val	Pro	Thr	Lys	Glu	Leu	Ala	Arg
				85					90					95	
Gln	Ala	Gln	Ser	Met	Ile	Gln	Gln	Leu	Ala	Thr	Tyr	Cys	Ala	Arg	Asp
			100					105					110		
Val	Arg	Val	Ala	Asn	Val	Ser	Ala	Ala	Glu	Asp	Ser	Val	Ser	Gln	Arg
		115					120					125			
Ala	Val	Leu	Met	Glu	Lys	Pro	Asp	Val	Val	Val	Gly	Thr	Pro	Ser	Arg
	130					135					140				
Ile	Leu	Ser	His	Leu	Gln	Gln	Asp	Ser	Leu	Lys	Leu	Arg	Asp	Ser	Leu
	145					150					155				160
Glu	Leu	Leu	Val	Val	Asp	Glu	Ala	Asp	Leu	Leu	Phe	Ser	Phe	Gly	Phe
				165					170					175	
Glu	Glu	Glu	Leu	Lys	Ser	Leu	Leu	Cys	His	Leu	Pro	Arg	Ile	Tyr	Gln
			180					185					190		
Ala	Phe	Leu	Met	Ser	Ala	Thr	Phe	Asn	Glu	Asp	Val	Gln	Ala	Leu	Lys
	195						200					205			
Glu	Leu	Ile	Leu	His	Asn	Pro	Val	Thr	Leu	Lys	Leu	Gln	Glu	Ser	Gln
	210					215					220				
Leu	Pro	Gly	Pro	Asp	Gln	Leu	Gln	Gln	Phe	Gln	Val	Val	Cys	Glu	Thr
	225					230					235				240
Glu	Glu	Asp	Lys	Phe	Leu	Leu	Leu	Tyr	Ala	Leu	Leu	Lys	Leu	Ser	Leu
				245					250					255	
Ile	Arg	Gly	Lys	Ser	Leu	Leu	Phe	Val	Asn	Thr	Leu	Glu	Arg	Ser	Tyr
			260					265					270		
Arg	Leu	Arg	Leu	Phe	Leu	Glu	Gln	Phe	Ser	Ile	Pro	Thr	Cys	Val	Leu
	275						280					285			
Asn	Gly	Glu	Leu	Pro	Leu	Arg	Ser	Arg	Cys	His	Ile	Ile	Ser	Gln	Phe
	290					295					300				
Asn	Gln	Gly	Phe	Tyr	Asp	Cys	Val	Ile	Ala	Thr	Asp	Ala	Glu	Val	Leu
	305					310					315				320
Gly	Ala	Pro	Val	Lys	Gly	Lys	Arg	Arg	Gly	Arg	Gly	Pro	Lys	Gly	Asp
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Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
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 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Glu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr
 405 410 415
 Gln Phe Arg Met Glu Glu Ile Glu Gly Phe Arg Tyr Arg Cys Arg Asp
 420 425 430
 Ala Met Arg Ser Val Thr Lys Gln Ala Ile Arg Glu Ala Arg Leu Lys
 435 440 445
 Glu Ile Lys Glu Glu Leu Leu His Ser Glu Lys Leu Lys Thr Tyr Phe
 450 455 460
 Glu Asp Asn Pro Arg Asp Leu Gln Leu Leu Arg His Asp Leu Pro Leu
 465 470 475 480
 His Pro Ala Val Val Lys Pro His Leu Gly His Val Pro Asp Tyr Leu
 485 490 495
 Val Pro Pro Ala Leu Arg Gly Leu Val Arg Pro His Lys Lys Arg Lys
 500 505 510
 Lys Leu Ser Ser Ser Cys Arg Lys Ala Lys Arg Ala Lys Ser Gln Asn
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 Pro Leu Arg Ser Phe Lys His Lys Gly Lys Lys Phe Arg Pro Thr Ala
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 Lys Pro Ser Xaa
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 Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro
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 Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe
 35 40 45

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Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ser Ala Glu Ser
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 Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr
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 His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
 85 90 95
 Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
 100 105 110
 Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro
 115 120 125
 Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala
 130 135 140
 Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu
 145 150 155 160
 Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala
 165 170 175
 Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn
 180 185 190
 Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile
 195 200 205
 Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser
 210 215 220
 His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys
 225 230 235 240
 Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg
 245 250 255
 Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala
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